

Data File : VV012057.D
Acq On : 29 Jul 2019 11:47
Operator : SY/MD
Sample : VSTD00133
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD001331

Quant Time: Jul 30 08:17:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 30 08:12:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	138972	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	139581	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	74458	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	7397	0.91	ug/L	0.00
7) Chloroethane-d5	1.59	69	4641	0.79	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	12708	0.89	ug/L	0.00
20) 2-Butanone-d5	3.97	46	8389	4.37	ug/L	0.00
24) Chloroform-d	4.40	84	15294	0.87	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	8128	0.83	ug/L	0.00
32) Benzene-d6	5.10	84	29449	0.79	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	8575	0.82	ug/L	0.00
41) Toluene-d8	7.36	98	28228	0.76	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	3391	0.73	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	11123	6.78	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.26	84	6341	0.81	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	11245	0.81	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16035	0.997 ug/L	99
3) Chloromethane	1.25	50	9278	1.045 ug/L	99
5) Vinyl chloride	1.32	62	9249	1.010 ug/L	99
6) Bromomethane	1.54	94	5189	0.931 ug/L	99
8) Chloroethane	1.60	64	4834	0.987 ug/L	89
9) Trichlorofluoromethane	1.77	101	15470	0.997 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	6654	1.012 ug/L	97
12) 1,1-Dichloroethene	2.14	96	6196	1.023 ug/L	94
13) Acetone	2.23	43	7847	8.473 ug/L	59
14) Carbon disulfide	2.32	76	16457	0.962 ug/L	100
15) Methyl Acetate	2.47	43	1783	0.985 ug/L	95
16) Methylene chloride	2.53	84	6460	1.055 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	18841	0.963 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	8623	0.973 ug/L	95
19) 1,1-Dichloroethane	3.23	63	15569	0.956 ug/L	96
21) 2-Butanone	4.06	43	16579	8.681 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	9128	0.965 ug/L	95
23) Bromochloromethane	4.30	128	3917	0.932 ug/L	88
25) Chloroform	4.42	83	19849	0.980 ug/L	95
27) 1,2-Dichloroethane	5.18	62	11135	1.015 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	16063	0.934 ug/L	96
30) Cyclohexane	4.72	56	12524	0.846 ug/L	98
31) Carbon tetrachloride	4.87	117	14042	0.894 ug/L	98
33) Benzene	5.15	78	33632	0.878 ug/L	100
34) Trichloroethene	5.96	95	9861	0.927 ug/L	95
35) Methylcyclohexane	6.17	83	14390	0.855 ug/L	98
37) 1,2-Dichloropropane	6.22	63	8331	0.943 ug/L	# 91
38) Bromodichloromethane	6.55	83	10772	0.861 ug/L	83
39) cis-1,3-Dichloropropene	7.07	75	11861	0.843 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	41111	8.153 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.43	91	36469	0.840	ug/L	94
44) trans-1,3-Dichloropropene	7.69	75	9456	0.834	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	6350	0.952	ug/L	97
47) Tetrachloroethene	8.02	164	8750	0.890	ug/L	95
48) 2-Hexanone	8.19	43	28217	7.800	ug/L	98
49) Dibromochloromethane	8.29	129	7331	0.872	ug/L	100
50) 1,2-Dibromoethane	8.40	107	5830	0.925	ug/L #	92
51) Chlorobenzene	8.92	112	25737	0.919	ug/L	98
52) Ethylbenzene	9.05	91	42902	0.882	ug/L	99
53) m,p-xylene	9.18	106	15740	0.819	ug/L	90
54) o-xylene	9.59	106	14849	0.838	ug/L	94
55) Styrene	9.60	104	24677	0.813	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.28	83	6454	0.893	ug/L #	96
59) Bromoform	9.77	173	4047	0.943	ug/L	99
60) Isopropylbenzene	9.97	105	40792	0.870	ug/L	98
61) 1,2,3-Trichloropropane	10.32	75	5075	0.961	ug/L	97
62) 1,3,5-Trimethylbenzene	10.58	105	32592	0.826	ug/L	97
63) 1,2,4-Trimethylbenzene	10.96	105	31857	0.796	ug/L	96
64) 1,3-Dichlorobenzene	11.22	146	21472	0.937	ug/L	98
65) 1,4-Dichlorobenzene	11.32	146	21970	0.934	ug/L	99
67) 1,2-Dichlorobenzene	11.69	146	19648	0.937	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.48	75	912	0.817	ug/L #	69
69) 1,3,5-Trichlorobenzene	12.69	180	17645	0.950	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	13155	0.896	ug/L	97
71) Naphthalene	13.55	128	16624	0.839	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	11496	0.871	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial      : 3      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD001331

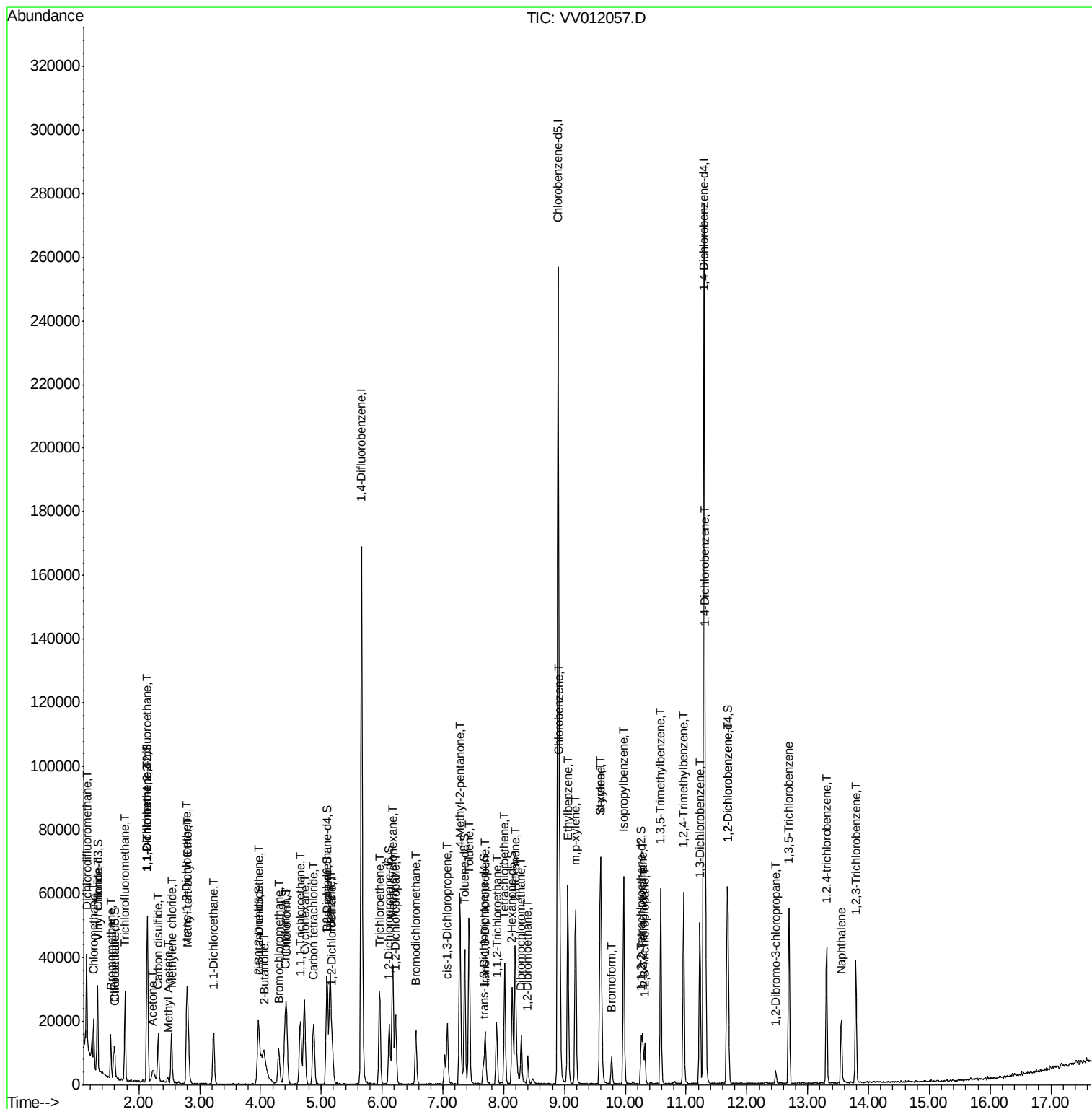
Quant Time: Jul 30 08:17:23 2019

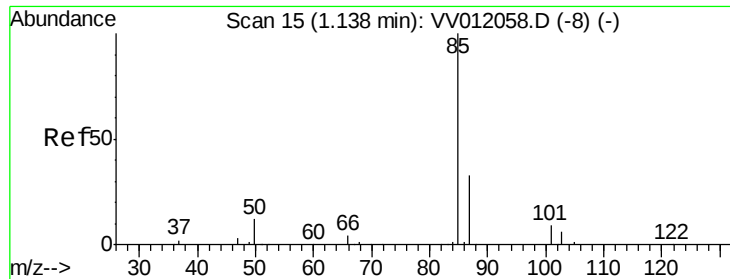
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Jul 30 08:12:03 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.997 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012057.D

Acq: 29 Jul 2019 11:47

Instrument :

MSVOA_V

ClientSampleId :

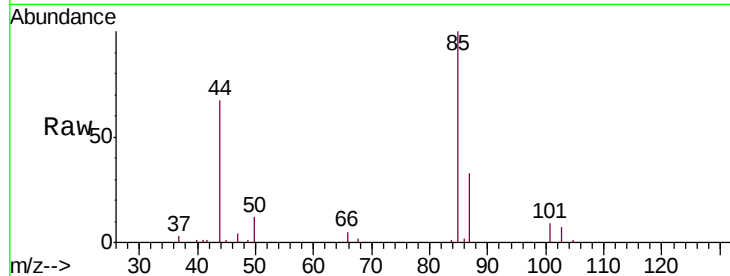
VSTD001331

Tgt Ion: 85 Resp: 16035

Ion Ratio Lower Upper

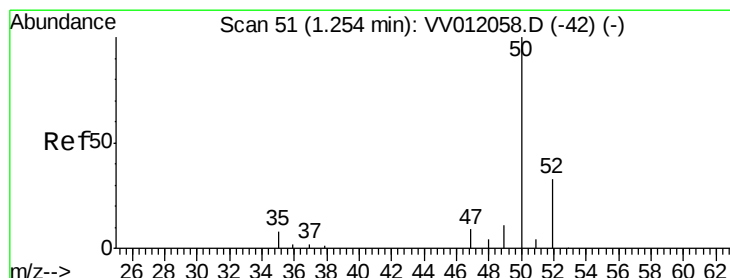
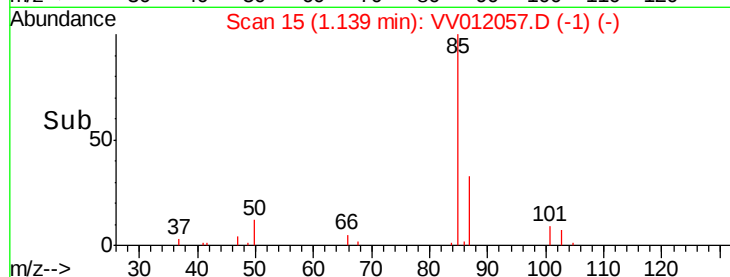
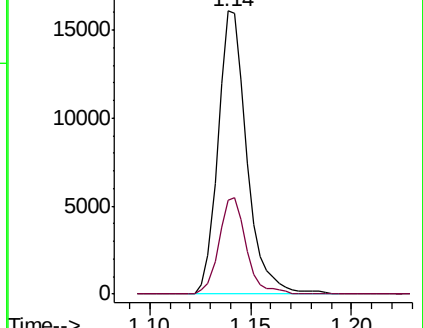
85 100

87 32.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV012057.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012057.D (-8) (-)



#3

Chloromethane

Concen: 1.045 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012057.D

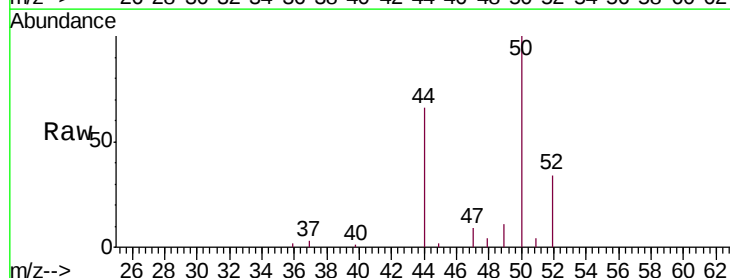
Acq: 29 Jul 2019 11:47

Tgt Ion: 50 Resp: 9278

Ion Ratio Lower Upper

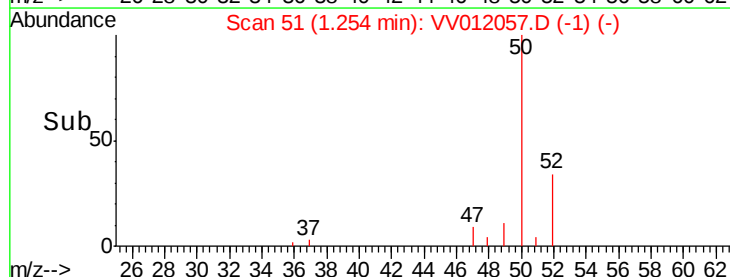
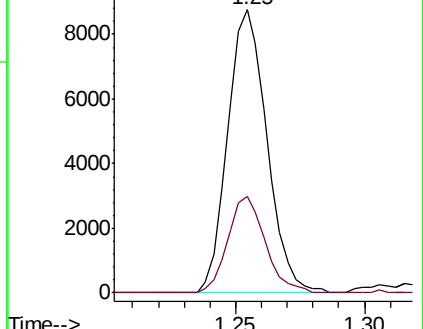
50 100

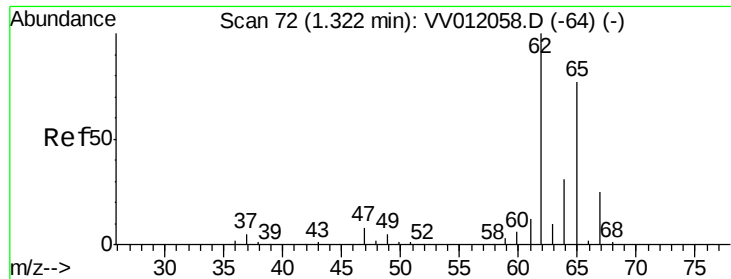
52 34.2 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV012057.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV012057.D (-42) (-)





#5

Vinyl chloride

Concen: 1.010 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012057.D

Acq: 29 Jul 2019 11:47

Instrument :

MSVOA_V

ClientSampleId :

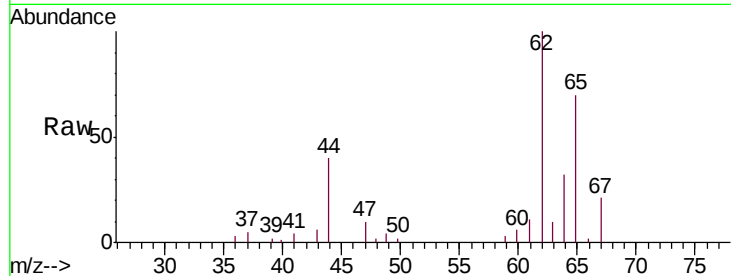
VSTD001331

Tgt Ion: 62 Resp: 9249

Ion Ratio Lower Upper

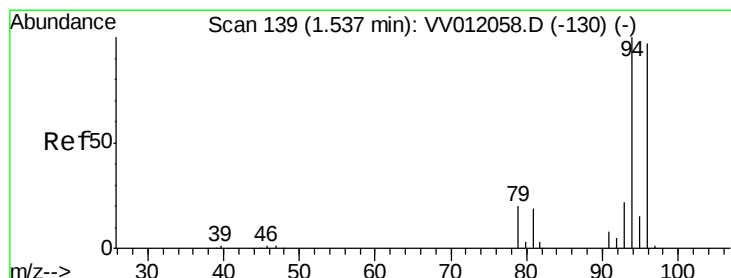
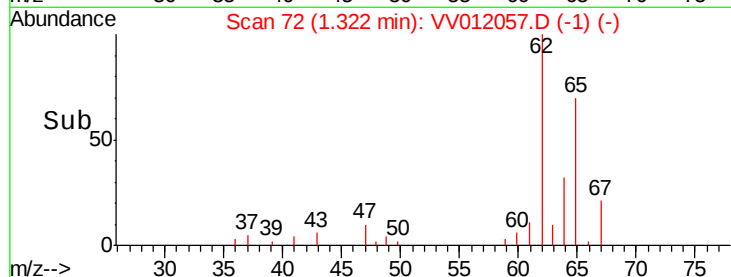
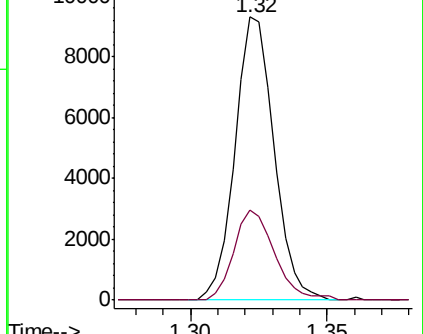
62 100

64 32.0 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VV012058.D

Ion 64.10 (63.80 to 64.80): VV012058.D



#6

Bromomethane

Concen: 0.931 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012057.D

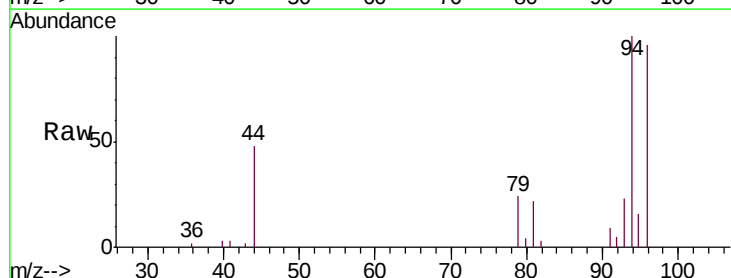
Acq: 29 Jul 2019 11:47

Tgt Ion: 94 Resp: 5189

Ion Ratio Lower Upper

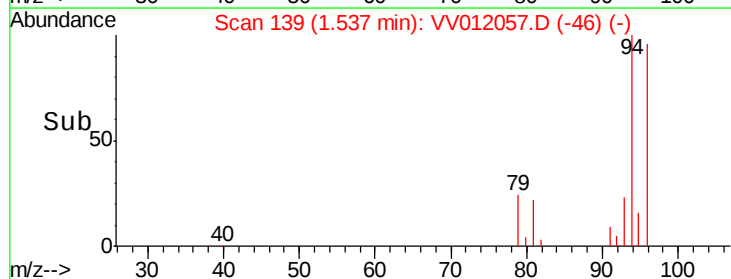
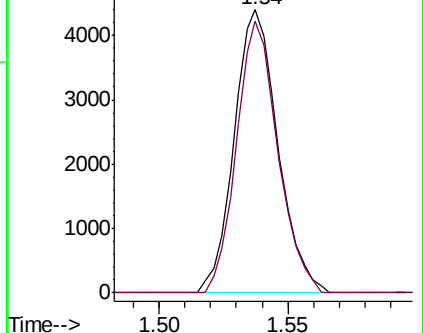
94 100

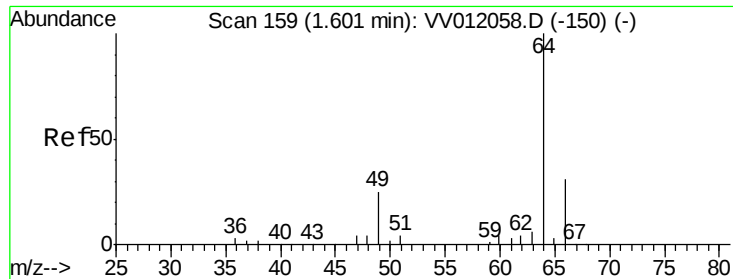
96 96.0 67.8 125.8



Abundance Ion 94.00 (93.70 to 94.70): VV012058.D

Ion 96.00 (95.70 to 96.70): VV012058.D





#8

Chloroethane

Concen: 0.987 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012057.D

Acq: 29 Jul 2019 11:47

Instrument :

MSVOA_V

ClientSampleId :

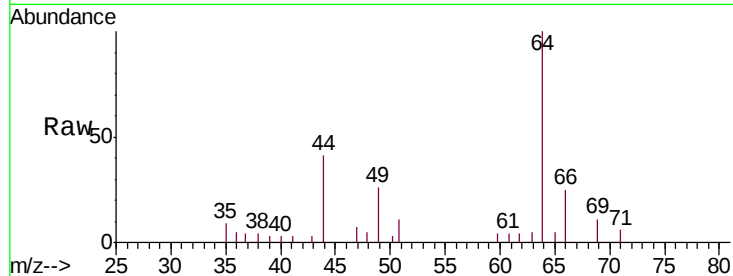
VSTD001331

Tgt Ion: 64 Resp: 4834

Ion Ratio Lower Upper

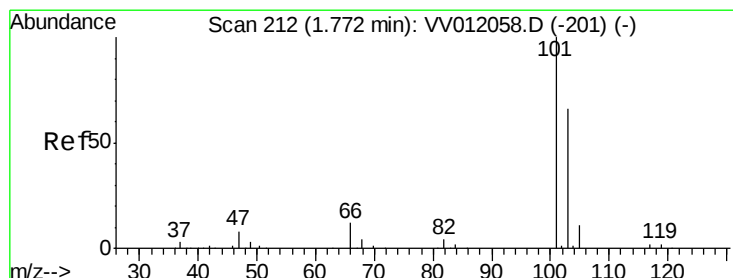
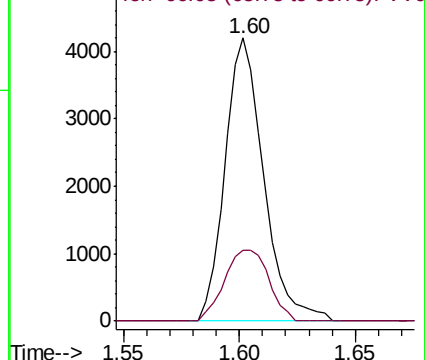
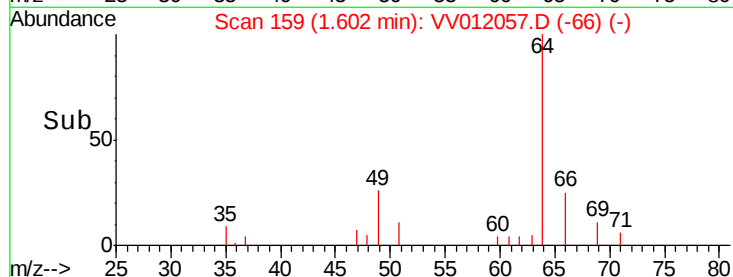
64 100

66 25.2 21.7 40.3



Abundance Ion 64.10 (63.80 to 64.80): VV012058.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV012057.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 0.997 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012057.D

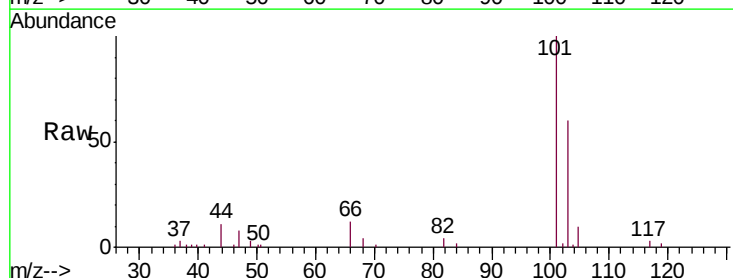
Acq: 29 Jul 2019 11:47

Tgt Ion: 101 Resp: 15470

Ion Ratio Lower Upper

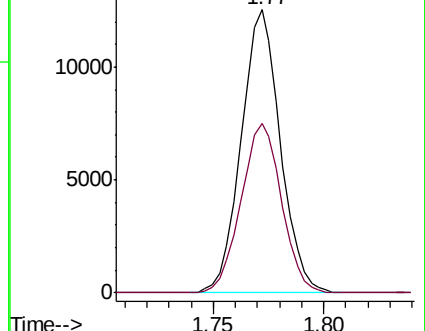
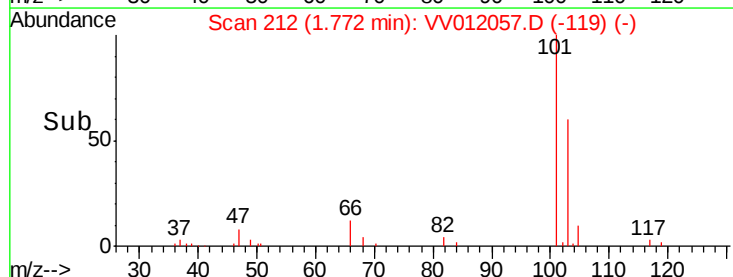
101 100

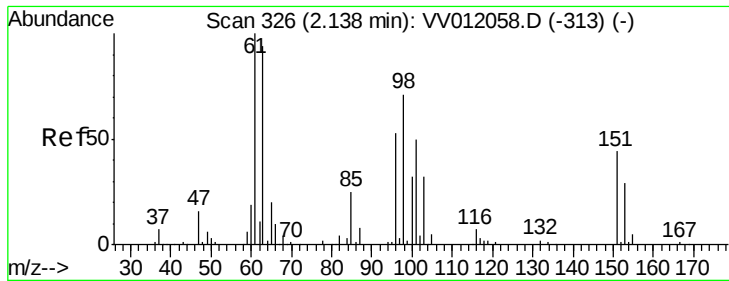
103 61.8 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VV012058.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV012057.D (-119) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.012 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012057.D

Acq: 29 Jul 2019 11:47

Instrument :

MSVOA_V

ClientSampleId :

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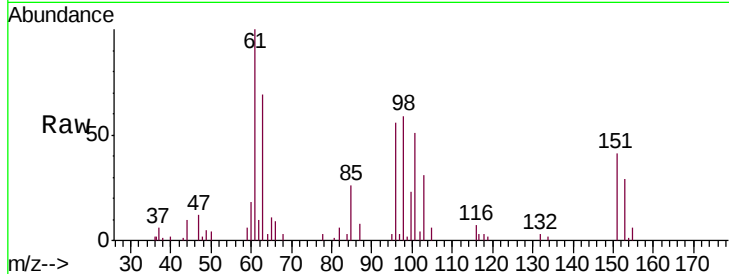
Tgt Ion:101 Resp: 6654

Ion Ratio Lower Upper

101 100

85 47.9 37.8 56.8

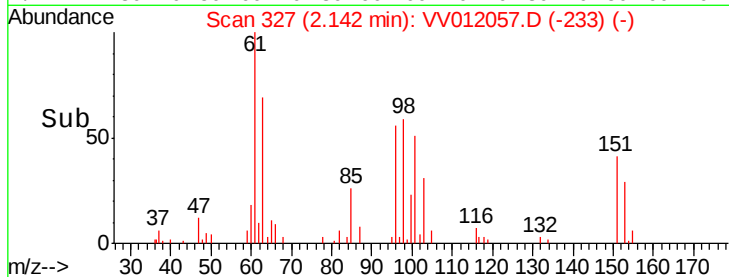
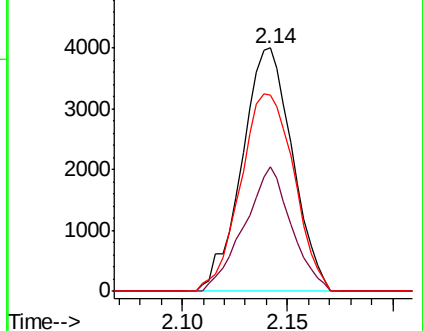
151 86.0 71.4 107.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.023 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012057.D

Acq: 29 Jul 2019 11:47

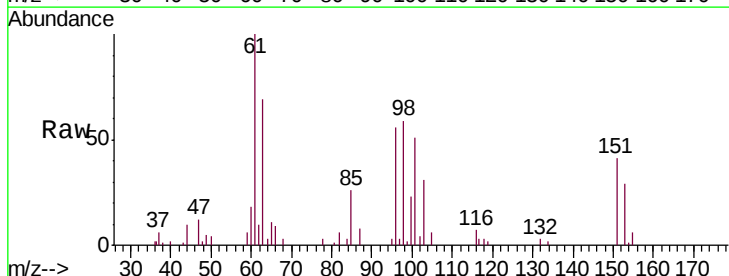
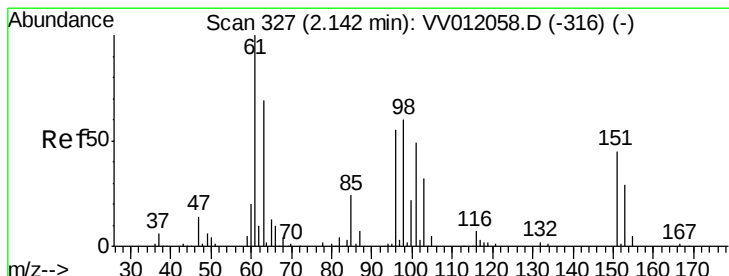
Tgt Ion: 96 Resp: 6196

Ion Ratio Lower Upper

96 100

61 177.4 127.8 237.4

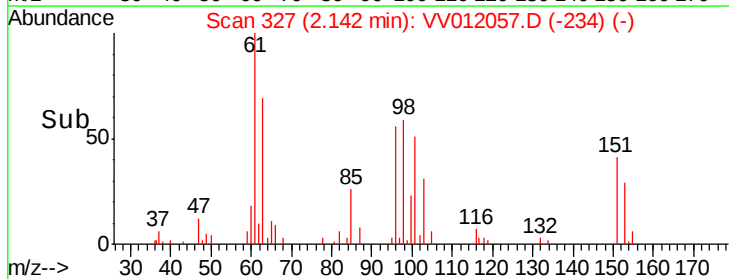
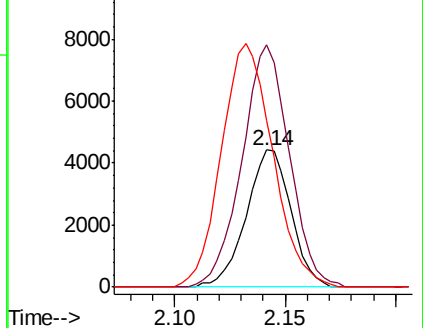
63 122.4 92.7 172.3

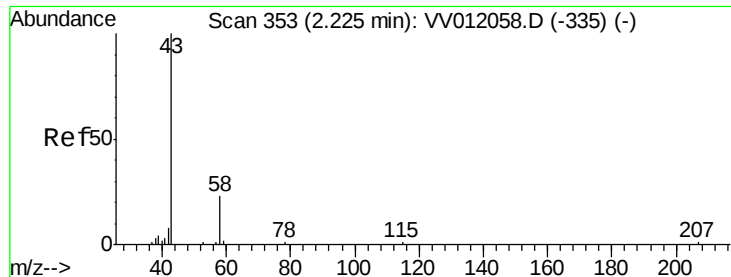


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 8.473 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.01 min

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Acq: 29 Jul 2019 11:47

Instrument :

MSVOA_V

ClientSampleId :

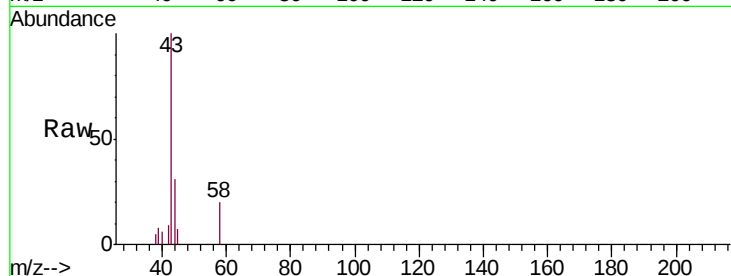
VSTD001331

Tgt Ion: 43 Resp: 7847

Ion Ratio Lower Upper

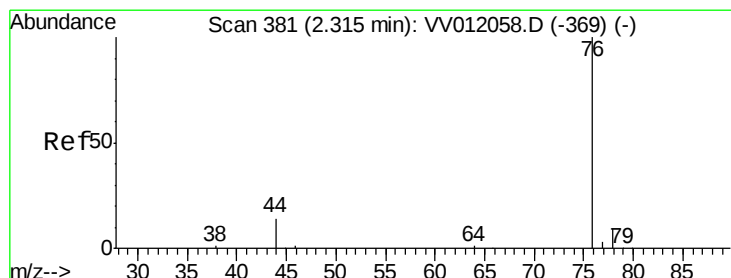
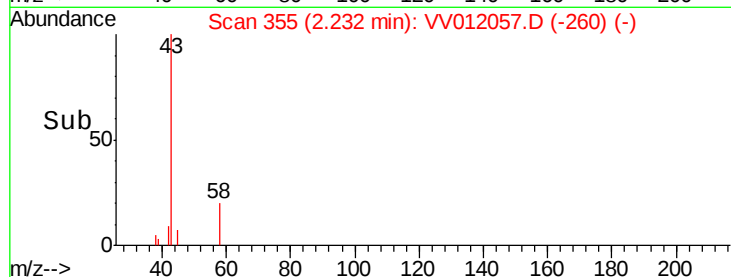
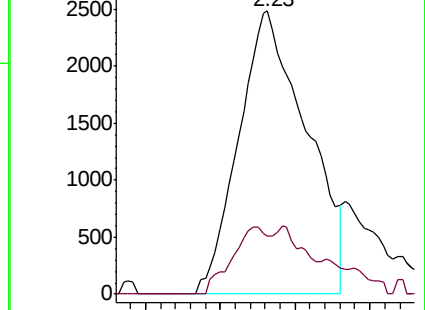
43 100

58 4.8 0.0 51.6



Abundance Ion 43.05 (42.75 to 43.75): VV012058.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV012058.D (-335) (-)



#14

Carbon disulfide

Concen: 0.962 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012057.D

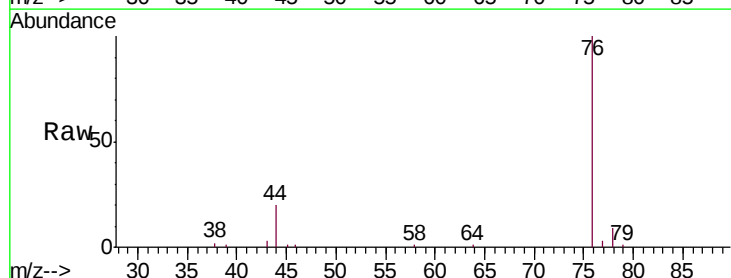
Acq: 29 Jul 2019 11:47

Tgt Ion: 76 Resp: 16457

Ion Ratio Lower Upper

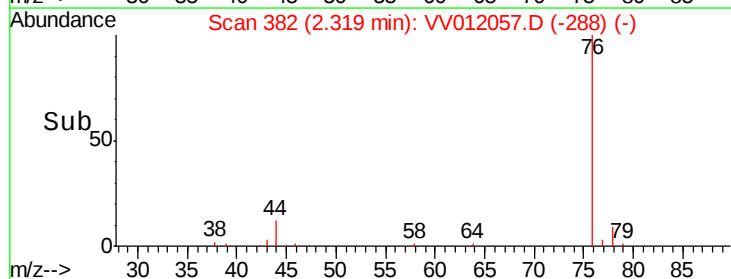
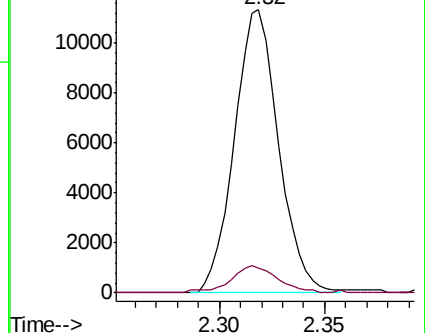
76 100

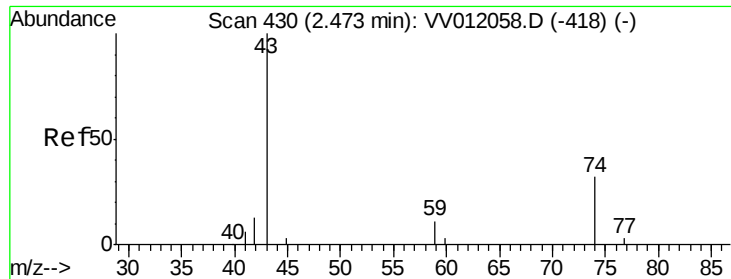
78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV012058.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV012058.D (-369) (-)

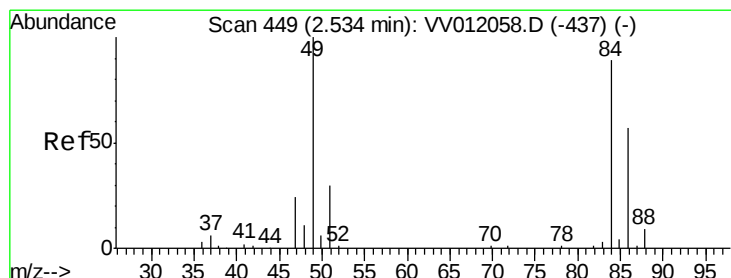
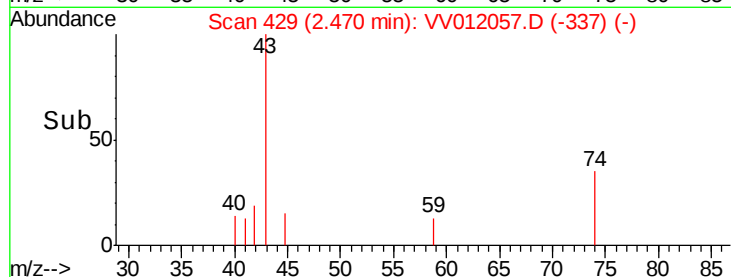
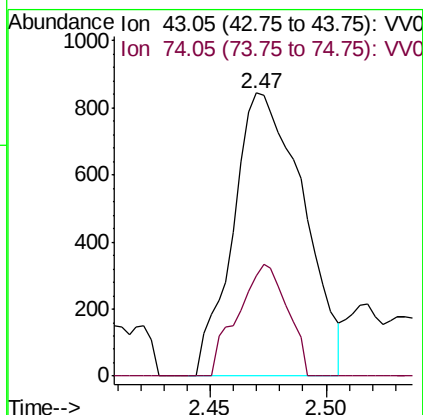
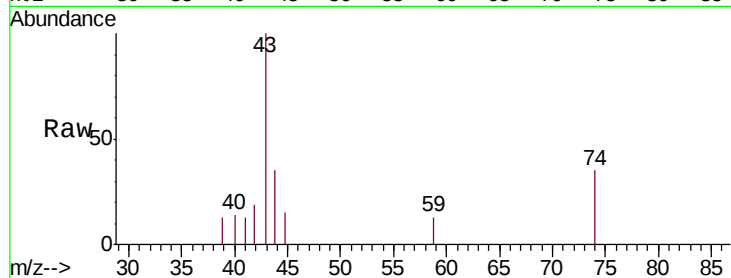




#15
Methyl Acetate
Concen: 0.985 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV012057.D
Acq: 29 Jul 2019 11:47

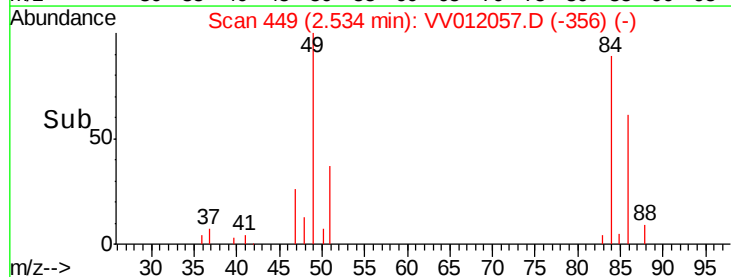
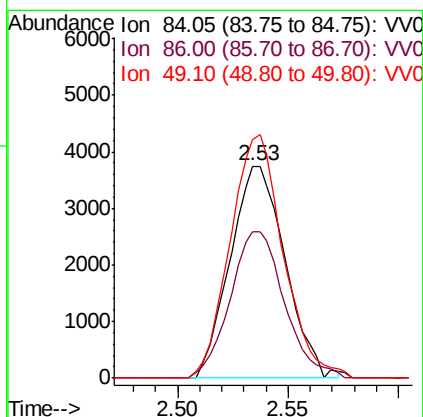
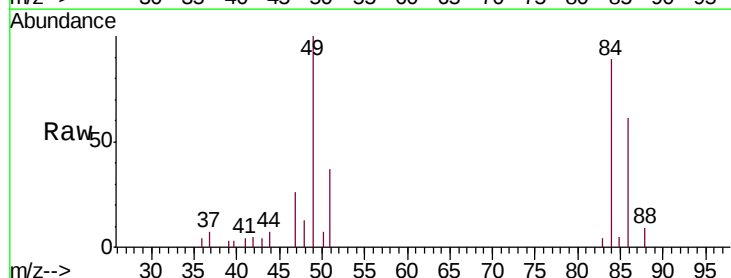
Instrument :
MSVOA_V
ClientSampleId :
VSTD001331

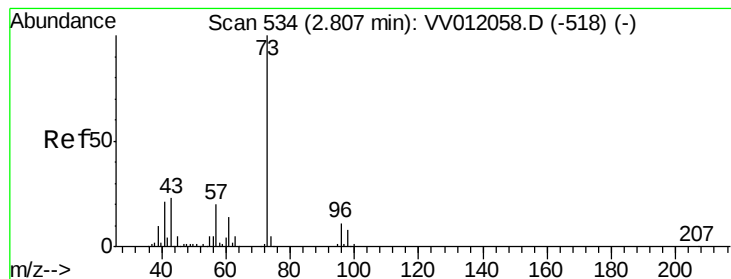
Tgt Ion: 43 Resp: 1783
Ion Ratio Lower Upper
43 100
74 27.9 24.4 36.6



#16
Methylene chloride
Concen: 1.055 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012057.D
Acq: 29 Jul 2019 11:47

Tgt Ion: 84 Resp: 6460
Ion Ratio Lower Upper
84 100
86 69.1 44.9 83.3
49 112.7 78.6 146.0





#17

Methyl tert-butyl Ether

Concen: 0.963 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012057.D

Acq: 29 Jul 2019 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD001331

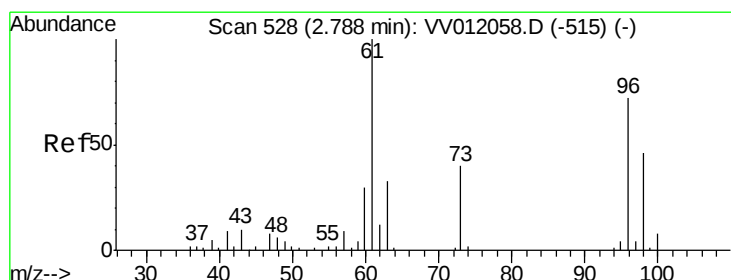
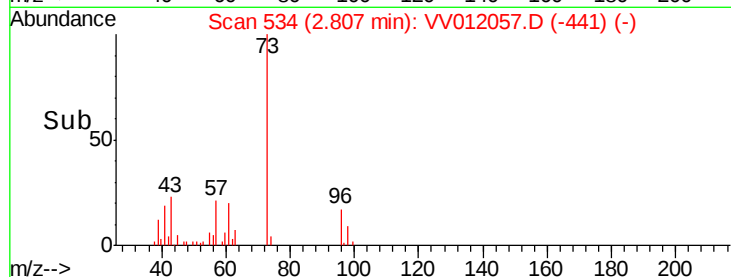
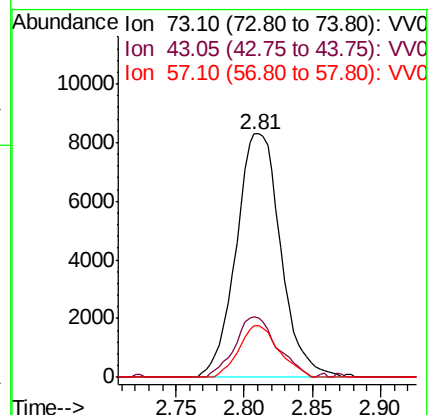
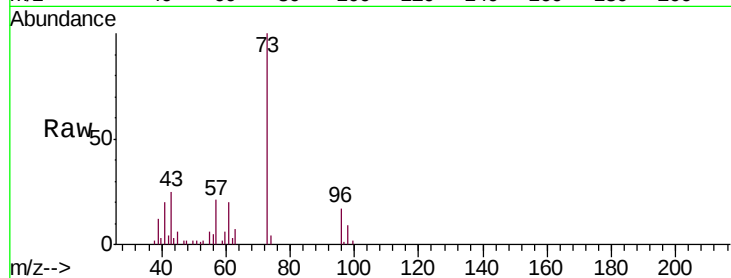
Tgt Ion: 73 Resp: 18841

Ion Ratio Lower Upper

73 100

43 23.5 17.6 26.4

57 19.0 17.0 25.6



#18

trans-1,2-Dichloroethene

Concen: 0.973 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV012057.D

Acq: 29 Jul 2019 11:47

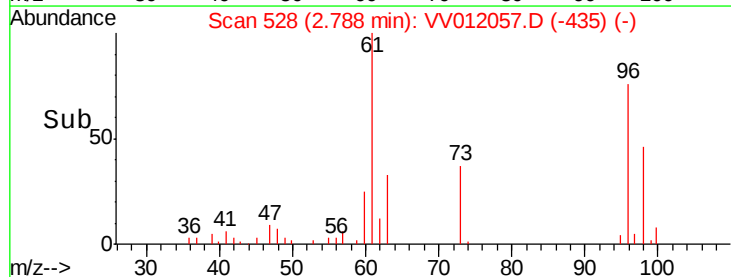
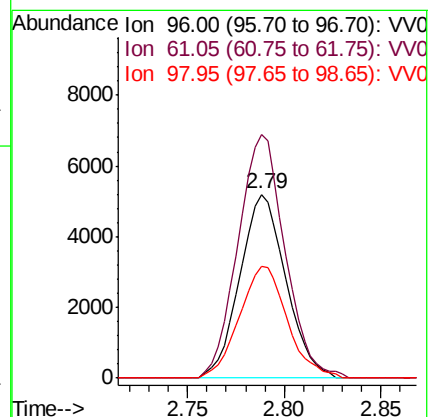
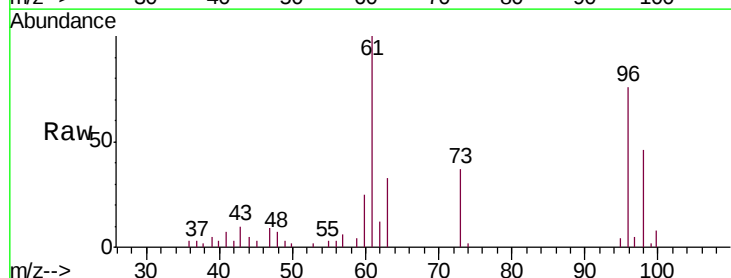
Tgt Ion: 96 Resp: 8623

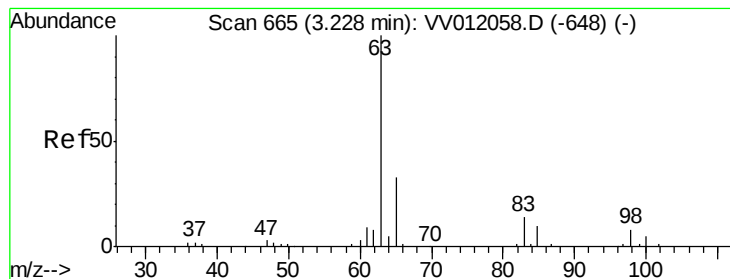
Ion Ratio Lower Upper

96 100

61 132.3 97.2 180.6

98 60.6 45.0 83.6





#19

1,1-Dichloroethane

Concen: 0.956 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV012057.D

Acq: 29 Jul 2019 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD001331

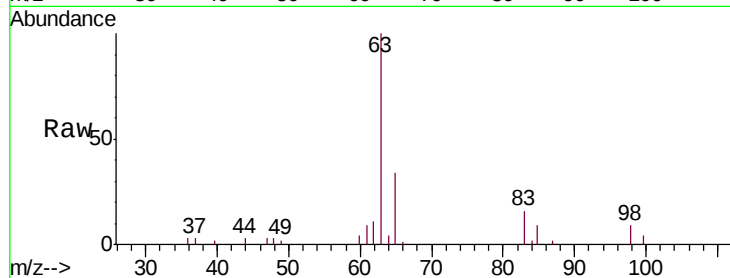
Tgt Ion: 63 Resp: 15569

Ion Ratio Lower Upper

63 100

65 34.2 23.0 42.6

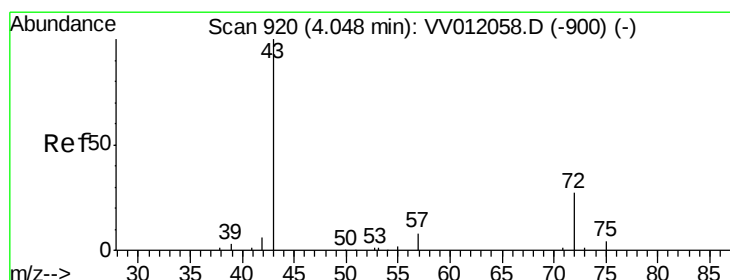
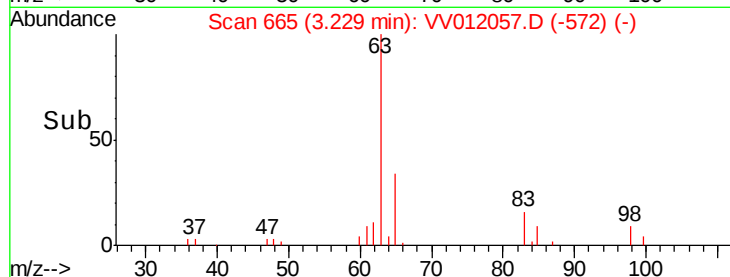
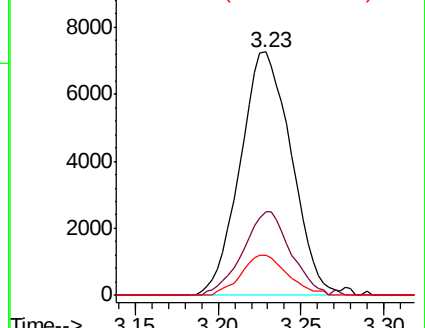
83 16.4 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 8.681 ug/L

RT: 4.06 min Scan# 924

Delta R.T. 0.01 min

Lab File: VV012057.D

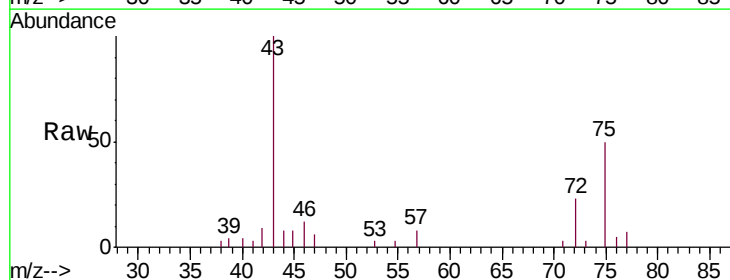
Acq: 29 Jul 2019 11:47

Tgt Ion: 43 Resp: 16579

Ion Ratio Lower Upper

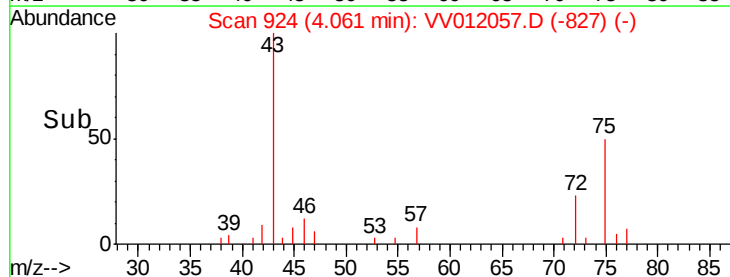
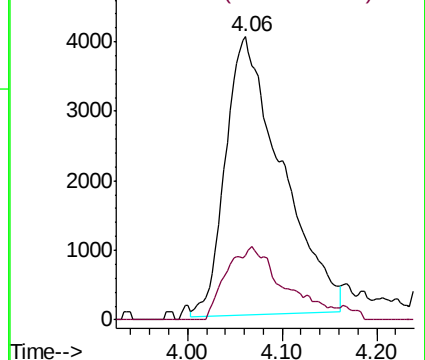
43 100

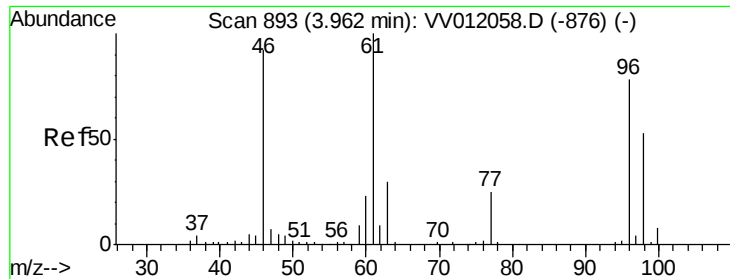
72 27.3 13.4 40.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



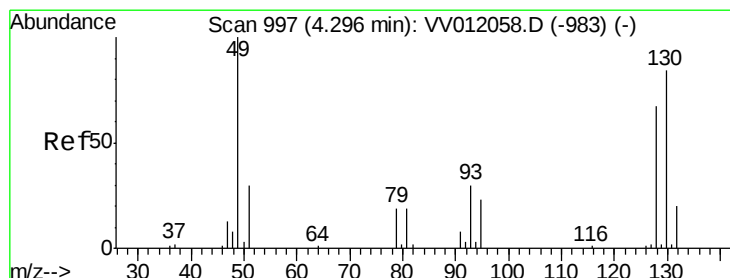
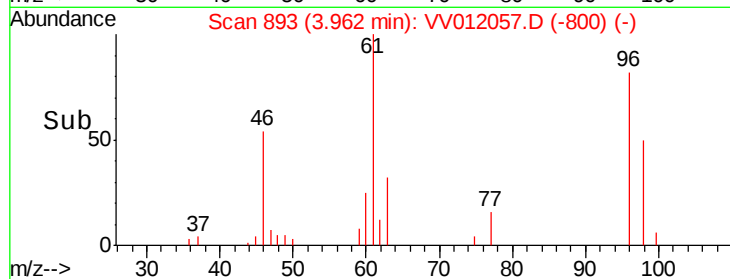
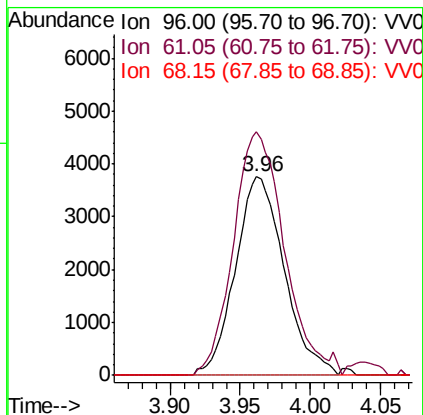
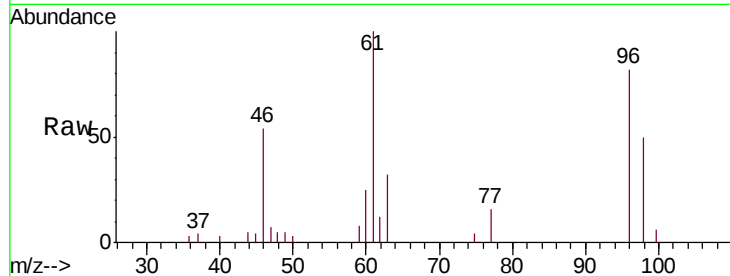


#22

cis-1,2-Dichloroethene
 Concen: 0.965 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001331

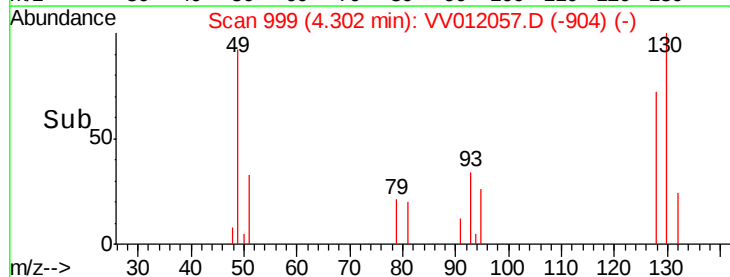
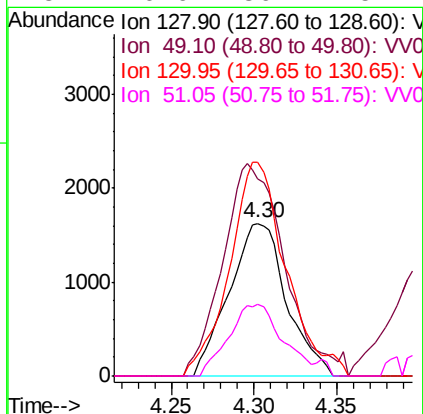
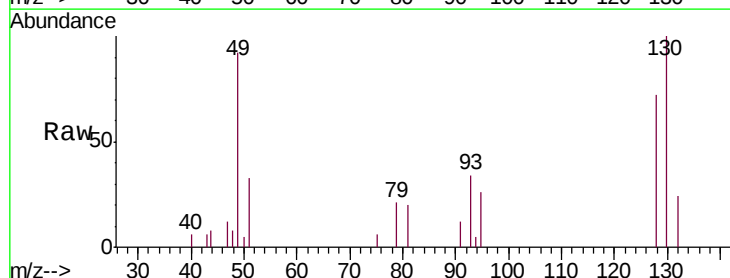
Tgt Ion: 96 Resp: 9128
 Ion Ratio Lower Upper
 96 100
 61 122.5 90.0 167.2
 68 0.0 0.0 0.0

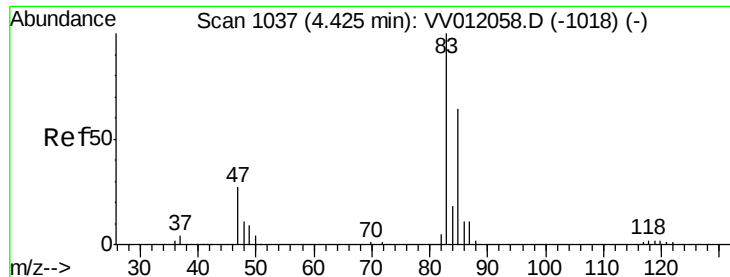


#23

Bromochloromethane
 Concen: 0.932 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

Tgt Ion: 128 Resp: 3917
 Ion Ratio Lower Upper
 128 100
 49 129.1 105.1 195.1
 130 139.7 88.9 165.1
 51 46.6 36.2 54.2

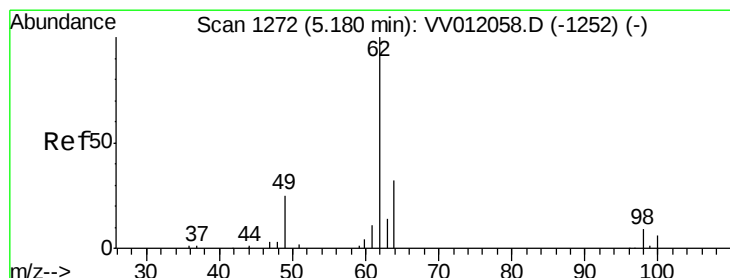
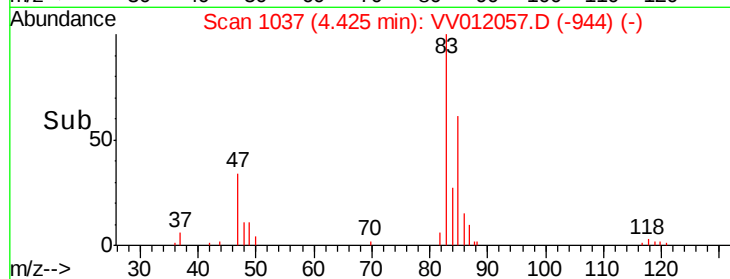
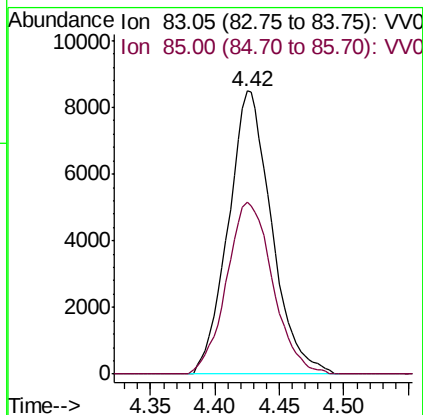
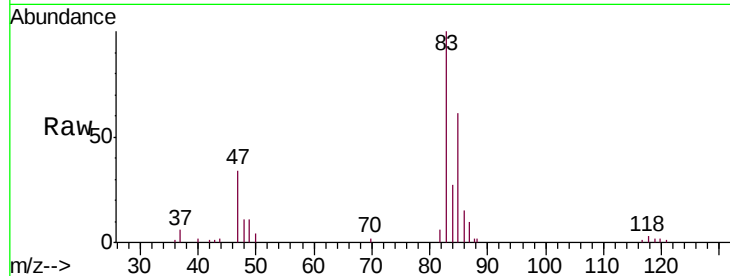




#25
Chloroform
Concen: 0.980 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012057.D
Acq: 29 Jul 2019 11:47

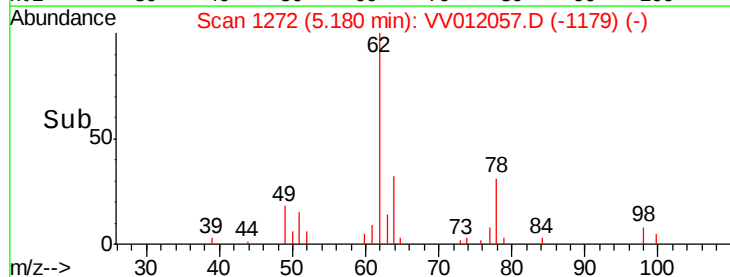
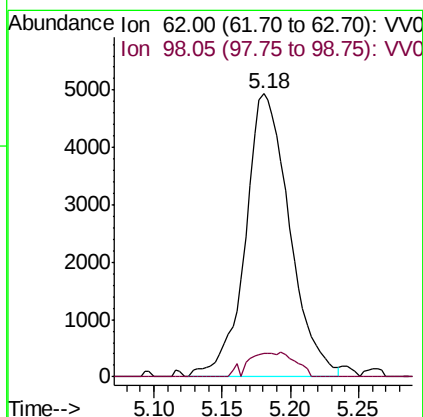
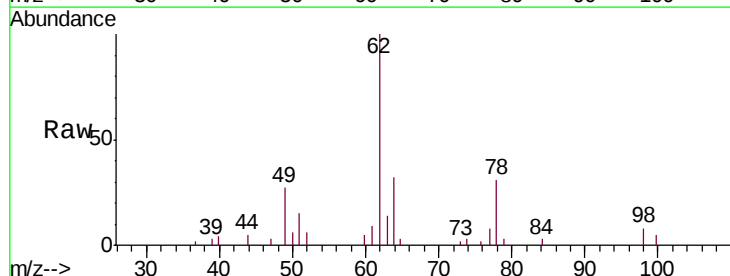
Instrument :
MSVOA_V
ClientSampleId :
VSTD001331

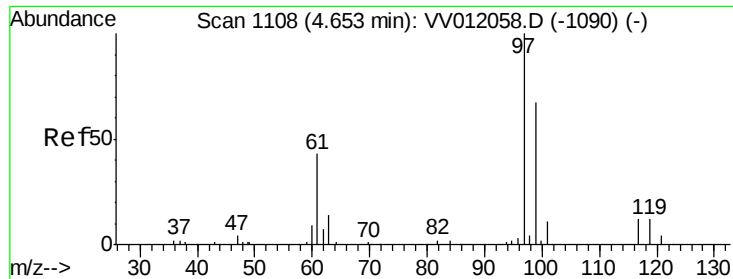
Tgt Ion: 83 Resp: 19849
Ion Ratio Lower Upper
83 100
85 61.0 45.2 84.0



#27
1,2-Dichloroethane
Concen: 1.015 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012057.D
Acq: 29 Jul 2019 11:47

Tgt Ion: 62 Resp: 11135
Ion Ratio Lower Upper
62 100
98 8.3 7.0 10.6

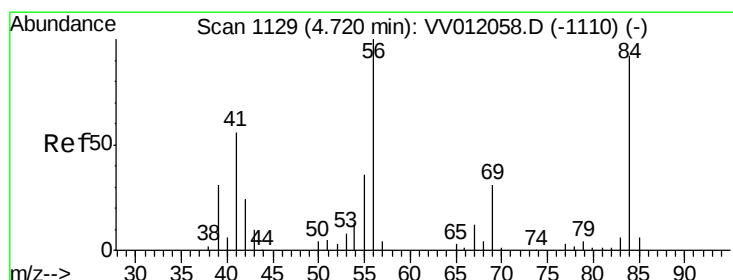
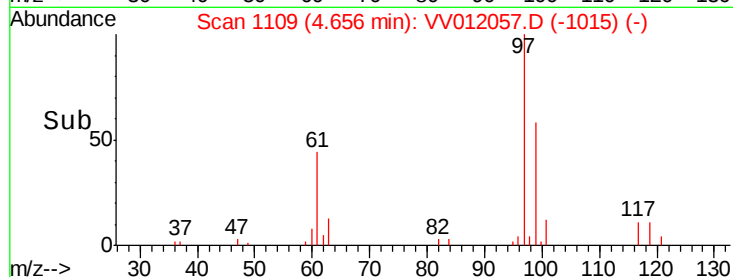
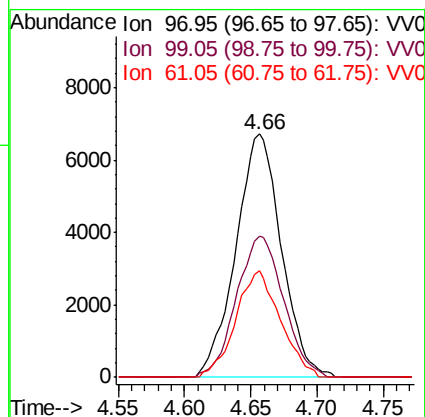
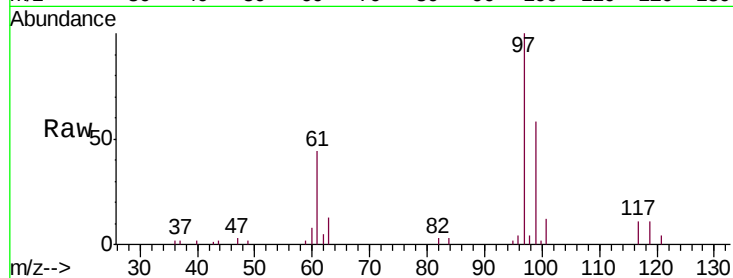




#29
 1,1,1-Trichloroethane
 Concen: 0.934 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

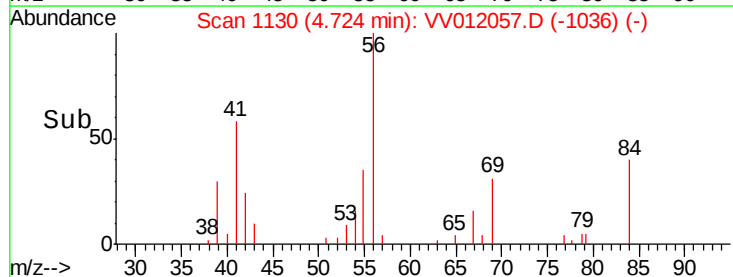
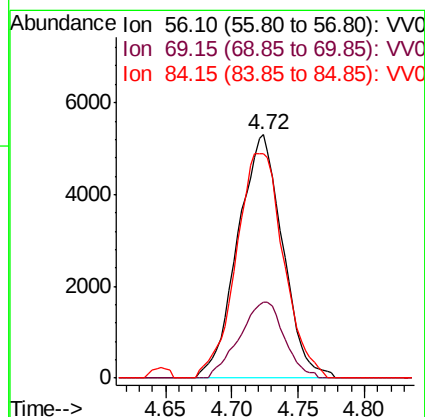
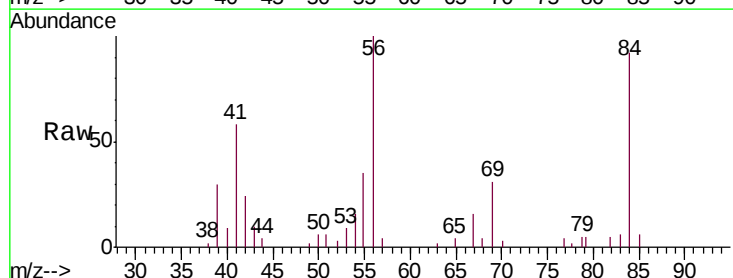
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001331

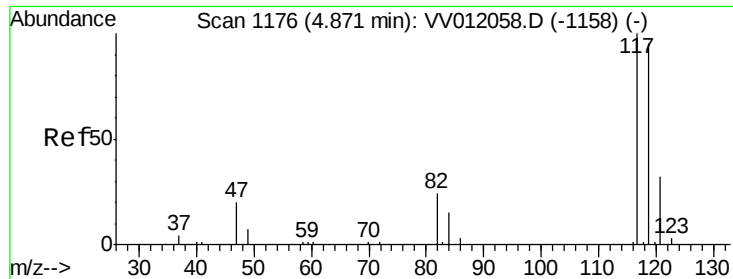
Tgt Ion: 97 Resp: 16063
 Ion Ratio Lower Upper
 97 100
 99 59.9 51.8 77.8
 61 42.7 34.5 51.7



#30
 Cyclohexane
 Concen: 0.846 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

Tgt Ion: 56 Resp: 12524
 Ion Ratio Lower Upper
 56 100
 69 31.2 24.8 37.2
 84 97.3 75.4 113.2

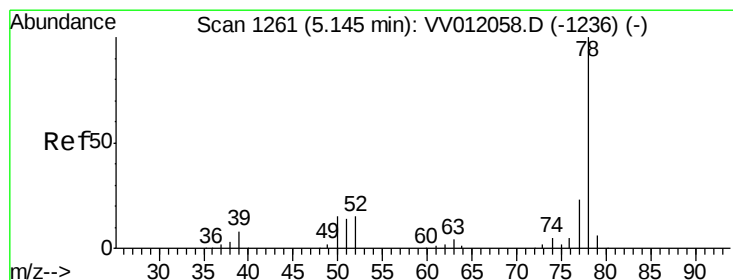
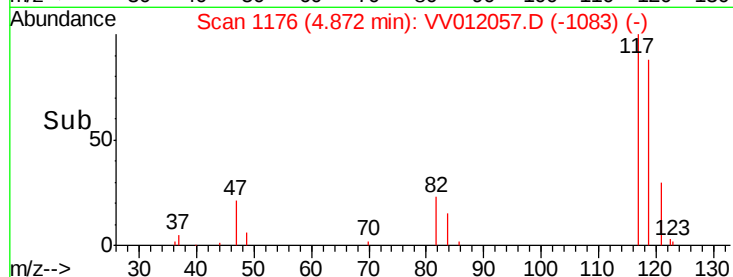
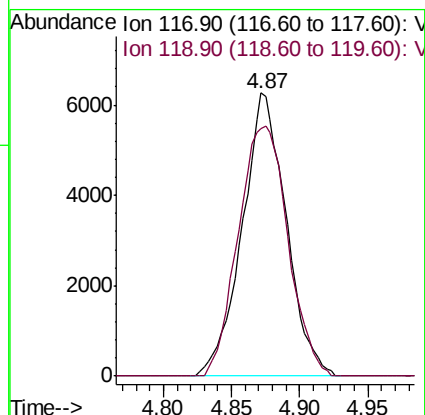
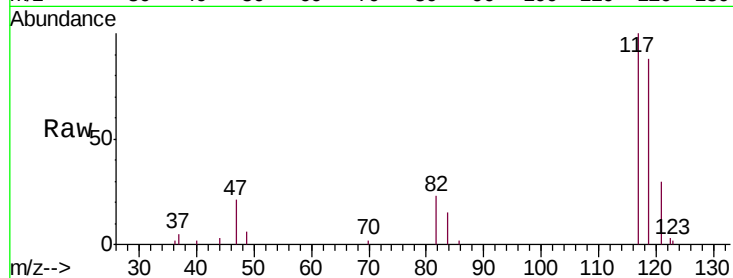




#31
Carbon tetrachloride
Concen: 0.894 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV012057.D
Acq: 29 Jul 2019 11:47

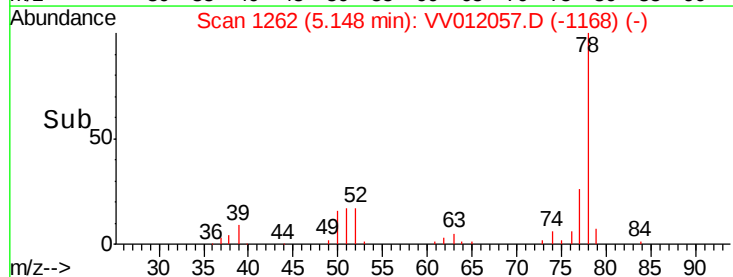
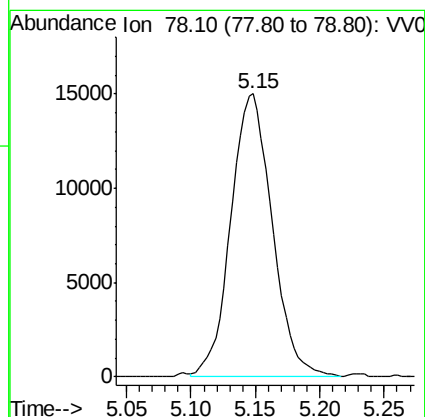
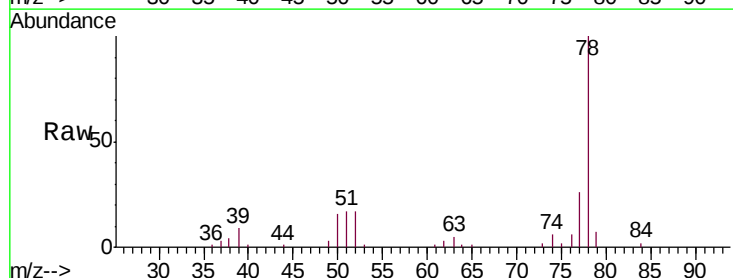
Instrument :
MSVOA_V
ClientSampleId :
VSTD001331

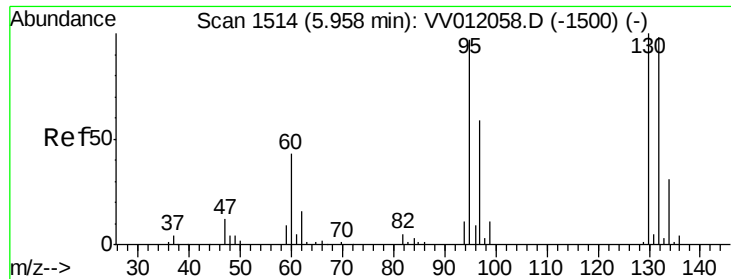
Tgt Ion:117 Resp: 14042
Ion Ratio Lower Upper
117 100
119 99.5 77.7 116.5



#33
Benzene
Concen: 0.878 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV012057.D
Acq: 29 Jul 2019 11:47

Tgt Ion: 78 Resp: 33632

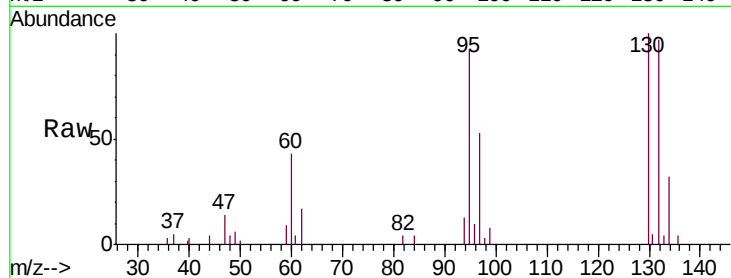




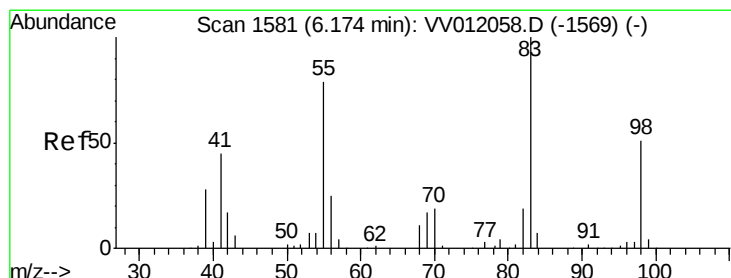
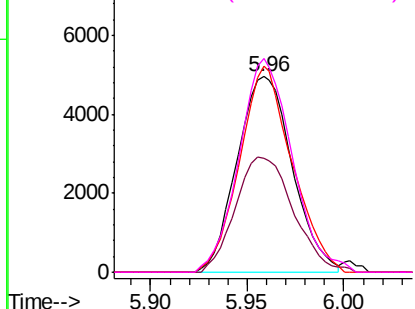
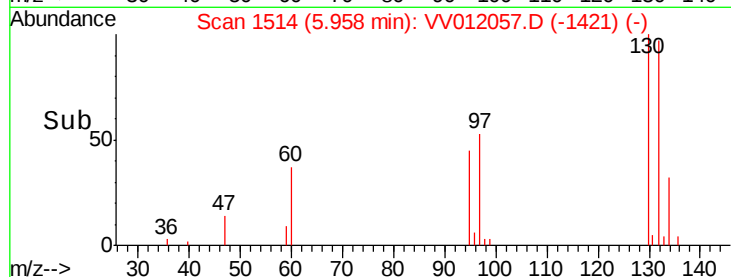
#34
 Trichloroethene
 Concen: 0.927 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001331

Tgt Ion: 95 Resp: 9861
 Ion Ratio Lower Upper
 95 100
 97 58.4 42.8 79.6
 132 105.5 70.8 131.6
 130 109.2 72.3 134.3

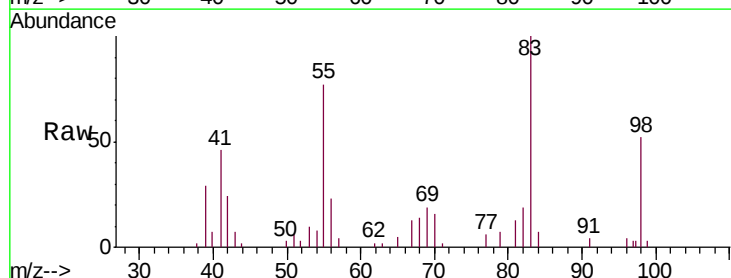


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

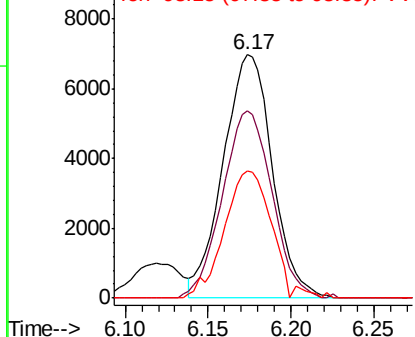
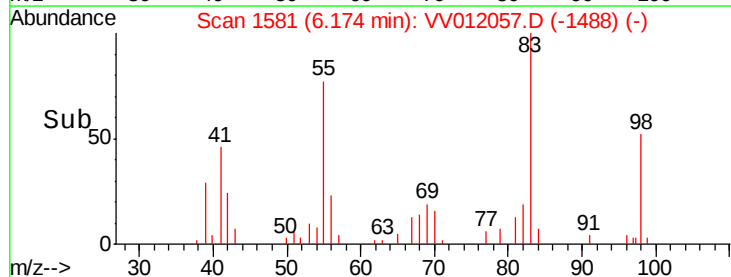


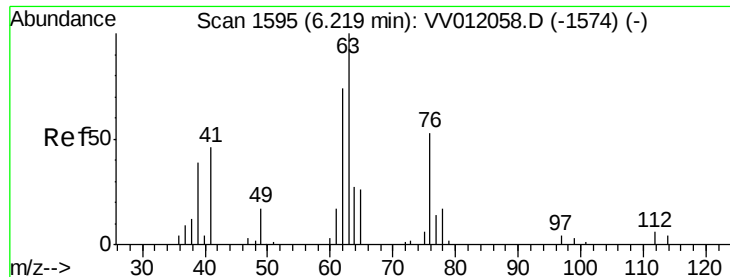
#35
 Methylcyclohexane
 Concen: 0.855 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

Tgt Ion: 83 Resp: 14390
 Ion Ratio Lower Upper
 83 100
 55 77.5 60.1 90.1
 98 49.7 40.2 60.4



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

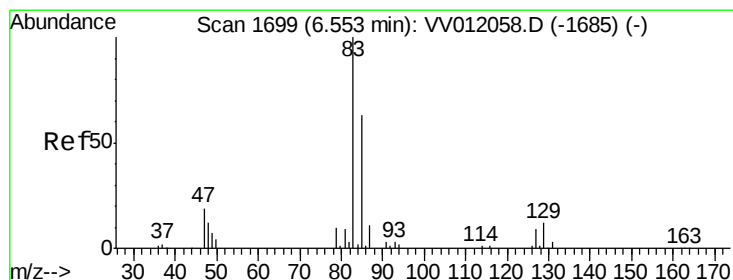
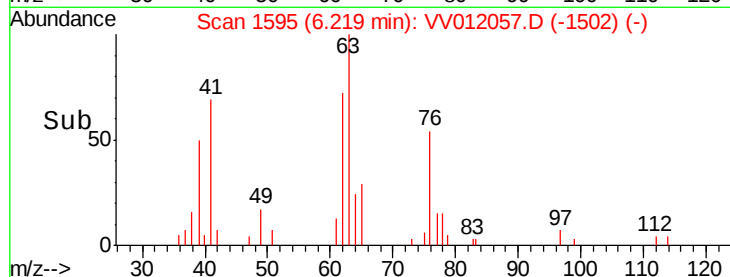
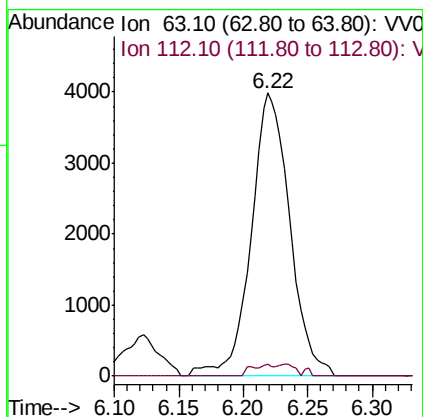
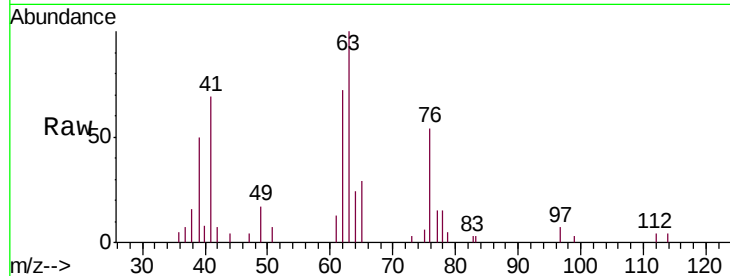




#37
 1,2-Dichloropropane
 Concen: 0.943 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

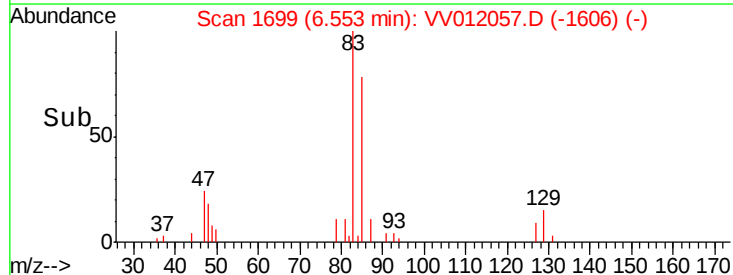
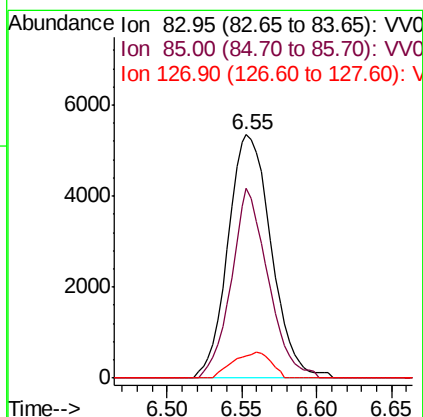
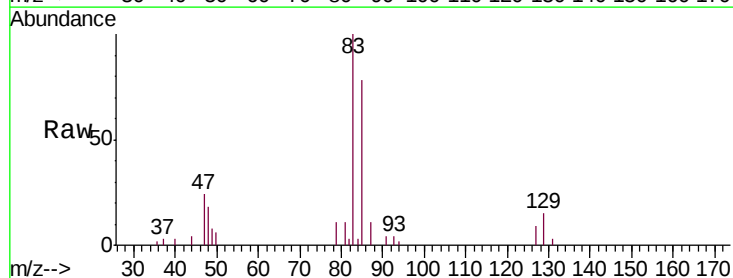
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001331

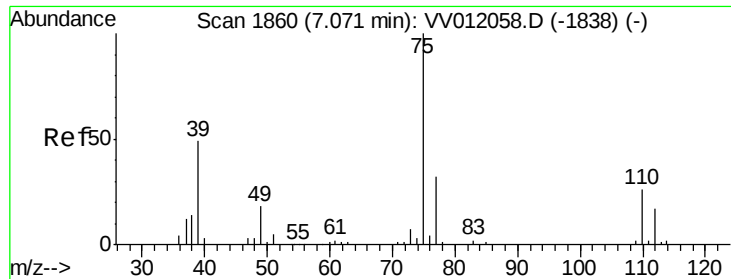
Tgt Ion: 63 Resp: 8331
 Ion Ratio Lower Upper
 63 100
 112 1.6 3.8 5.6#



#38
 Bromodichloromethane
 Concen: 0.861 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

Tgt Ion: 83 Resp: 10772
 Ion Ratio Lower Upper
 83 100
 85 77.8 43.9 81.5
 127 9.1 6.9 10.3

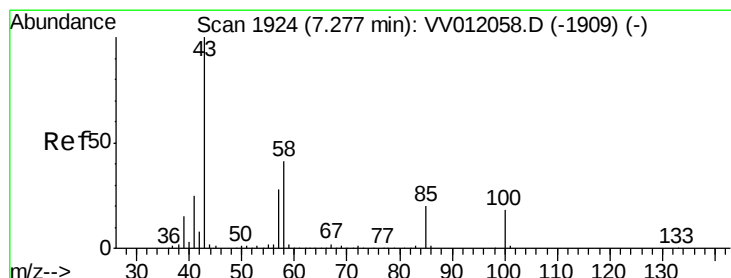
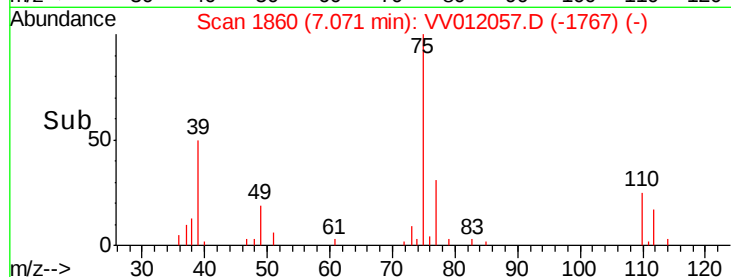
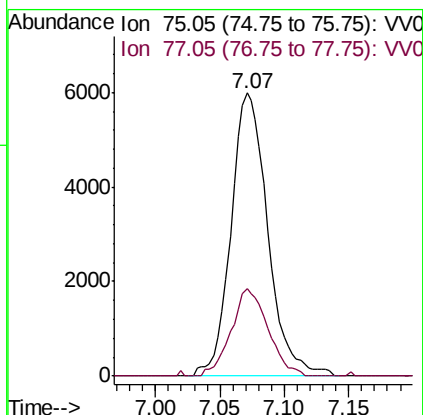
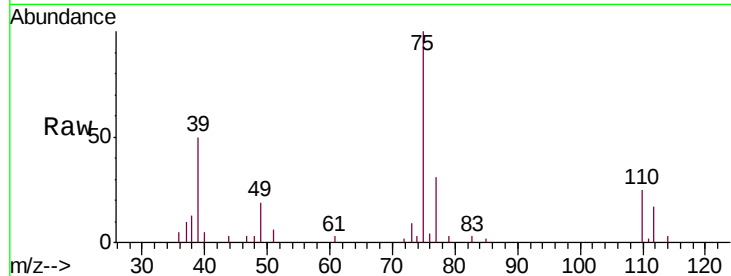




#39
 cis-1,3-Dichloropropene
 Concen: 0.843 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

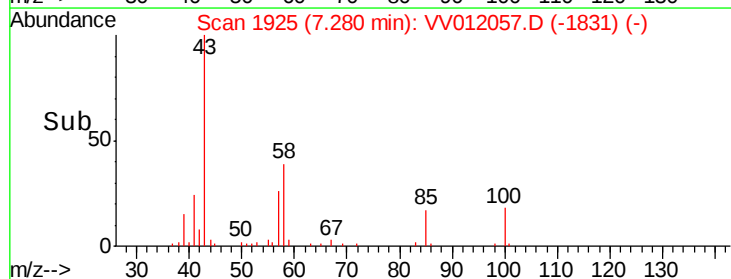
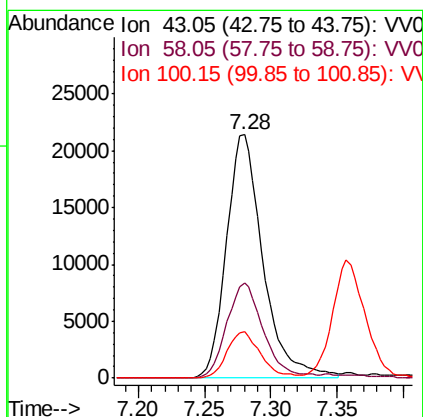
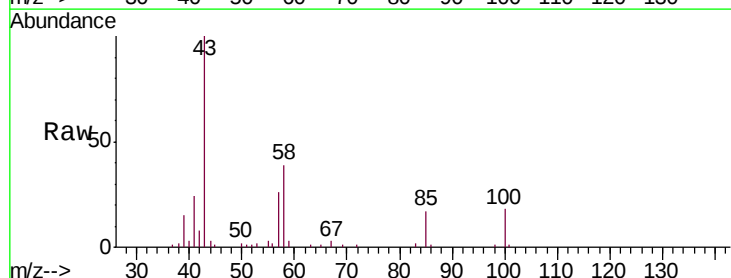
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001331

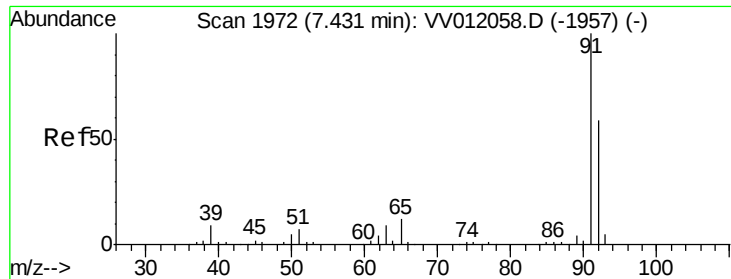
Tgt Ion: 75 Resp: 11861
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 8.153 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

Tgt Ion: 43 Resp: 41111
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.9 47.9
 100 17.5 14.0 21.0





#42

Toluene

Concen: 0.840 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012057.D

Acq: 29 Jul 2019 11:47

Instrument :

MSVOA_V

ClientSampleId :

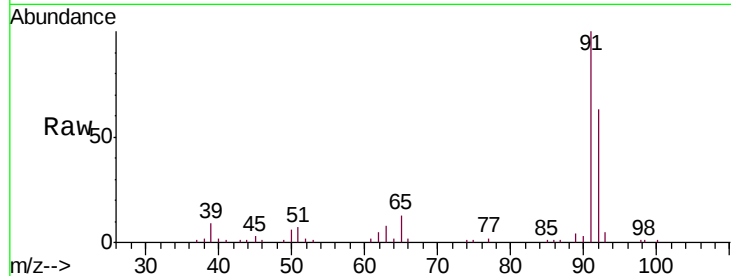
VSTD001331

Tgt Ion: 91 Resp: 36469

Ion Ratio Lower Upper

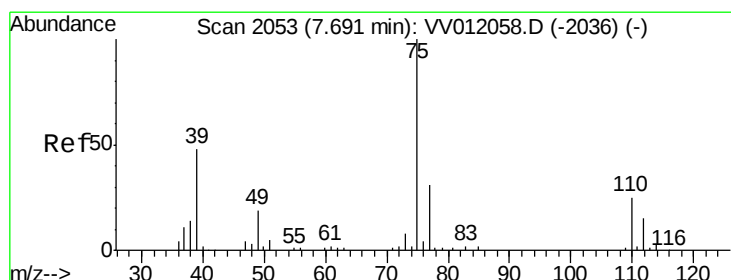
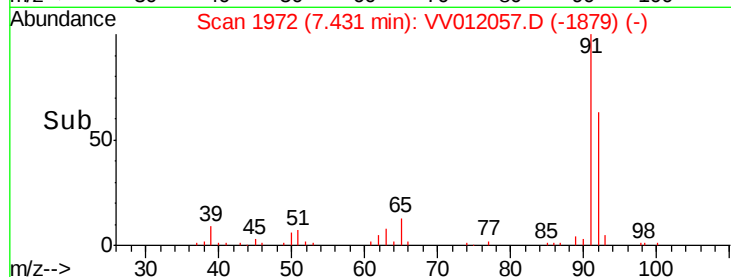
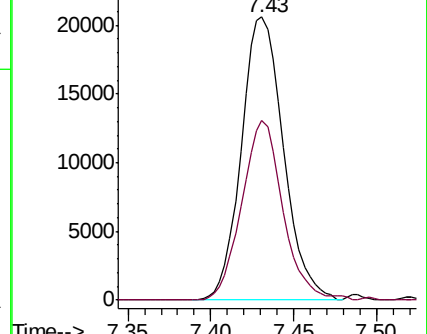
91 100

92 63.4 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.834 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012057.D

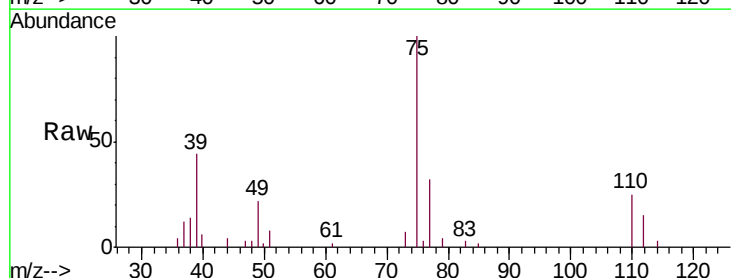
Acq: 29 Jul 2019 11:47

Tgt Ion: 75 Resp: 9456

Ion Ratio Lower Upper

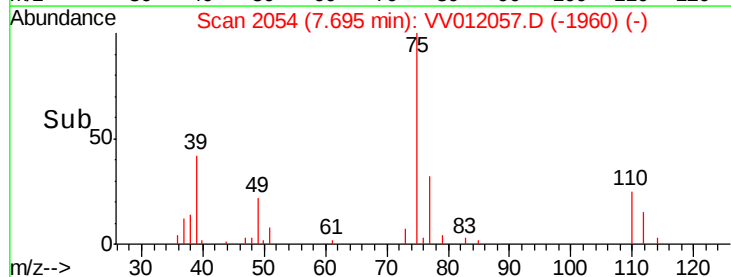
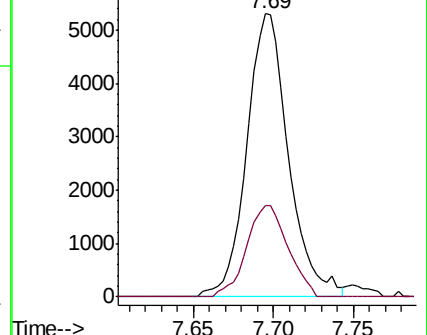
75 100

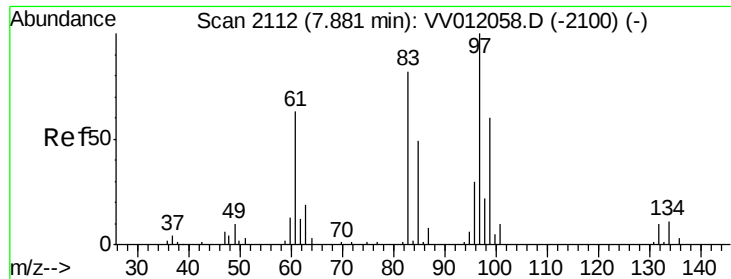
77 32.1 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

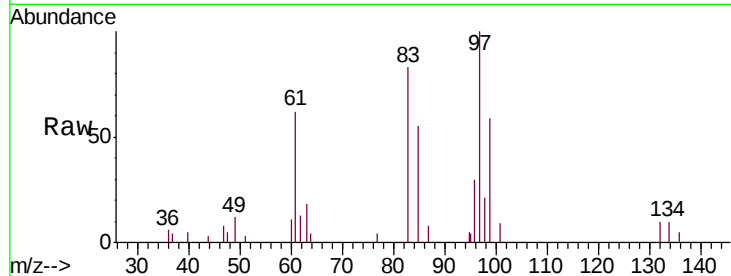




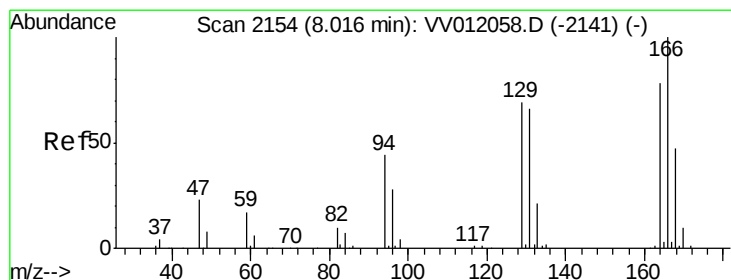
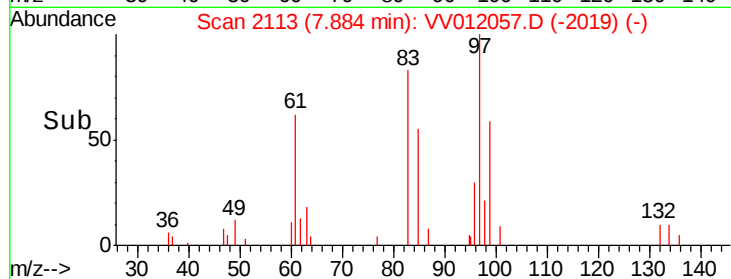
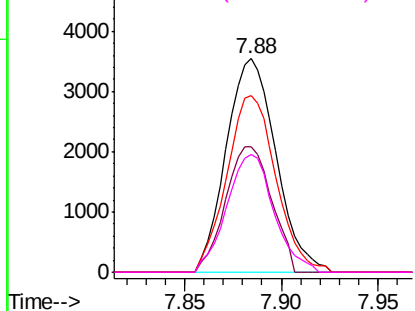
#45
 1,1,2-Trichloroethane
 Concen: 0.952 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001331

Tgt Ion: 97 Resp: 6350
 Ion Ratio Lower Upper
 97 100
 99 58.9 42.0 78.0
 83 82.5 57.6 107.0
 85 55.1 34.6 64.2

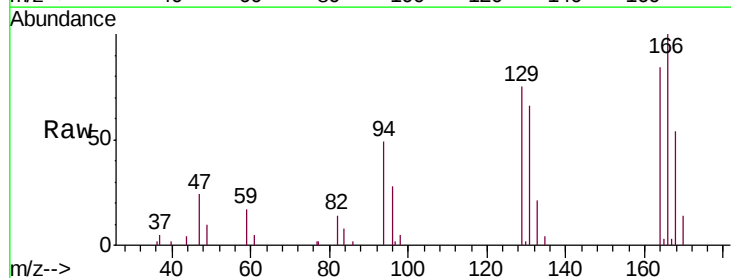


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

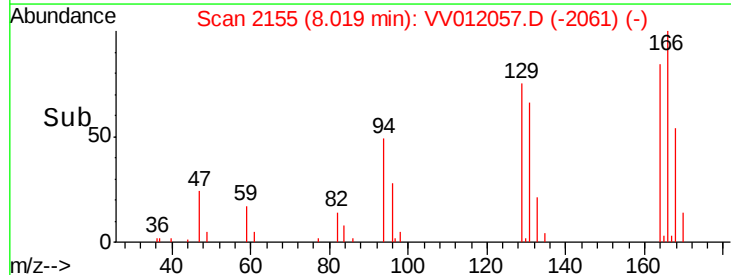
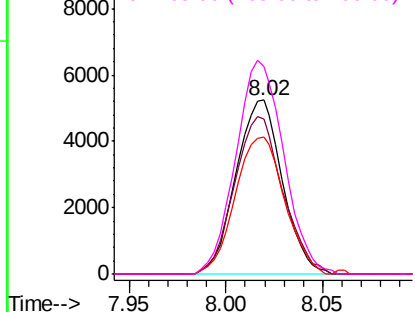


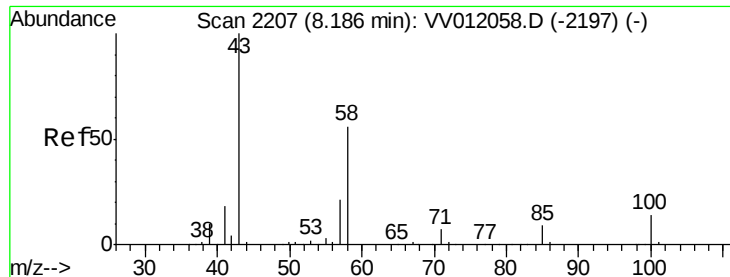
#47
 Tetrachloroethene
 Concen: 0.890 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

Tgt Ion: 164 Resp: 8750
 Ion Ratio Lower Upper
 164 100
 129 89.3 61.9 114.9
 131 78.9 59.4 110.4
 166 119.5 89.6 166.4



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

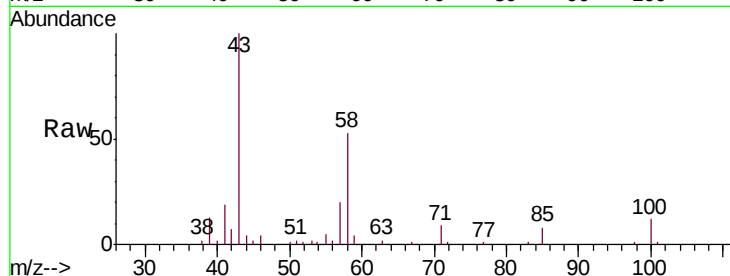




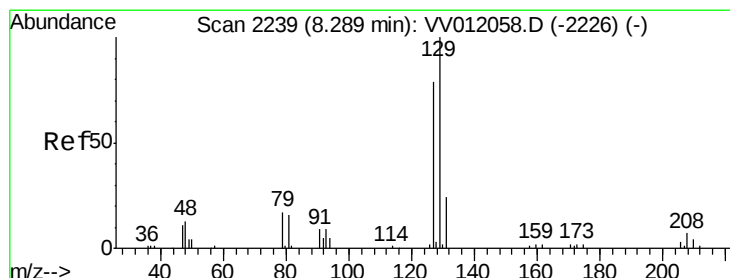
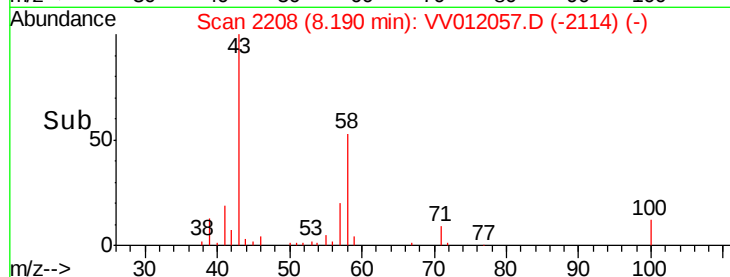
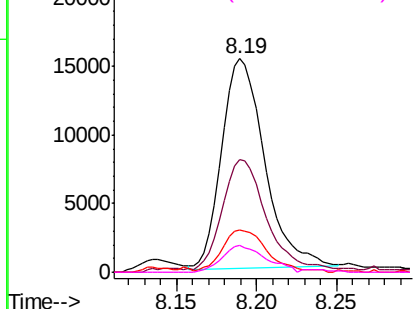
#48
2-Hexanone
Concen: 7.800 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV012057.D
Acq: 29 Jul 2019 11:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD001331

Tgt Ion: 43 Resp: 28217
Ion Ratio Lower Upper
43 100
58 53.5 44.1 66.1
57 19.4 16.1 24.1
100 12.9 11.3 16.9

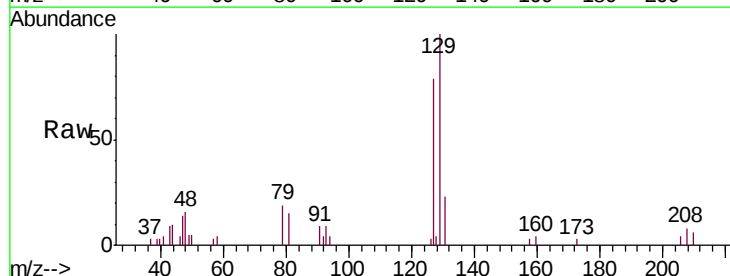


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

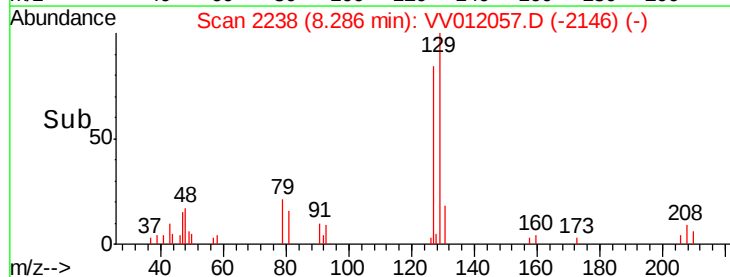
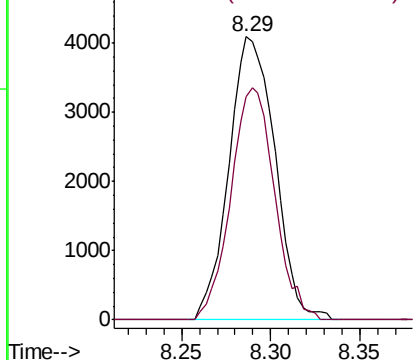


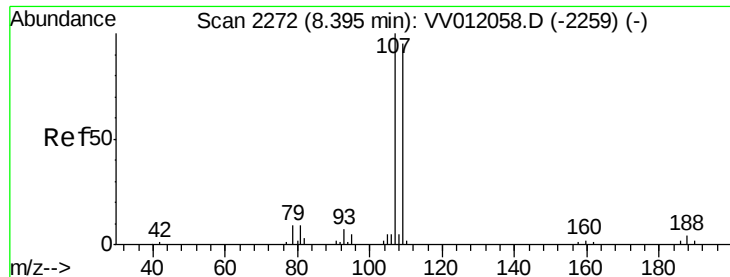
#49
Dibromochloromethane
Concen: 0.872 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012057.D
Acq: 29 Jul 2019 11:47

Tgt Ion: 129 Resp: 7331
Ion Ratio Lower Upper
129 100
127 79.0 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

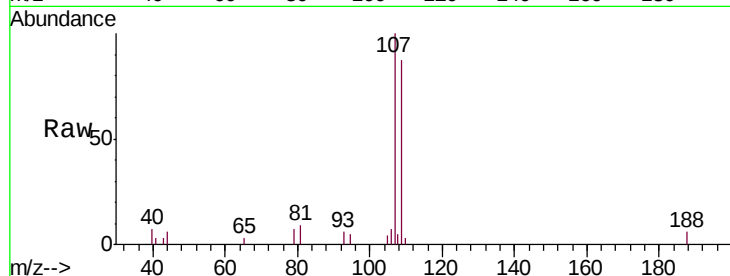




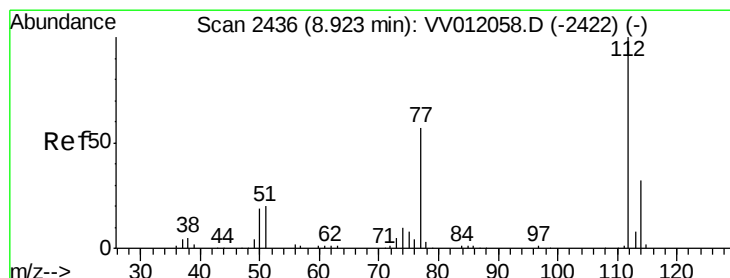
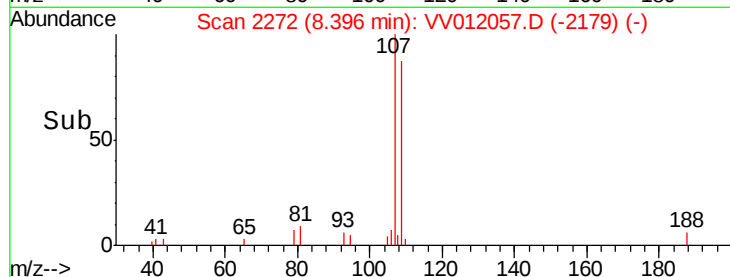
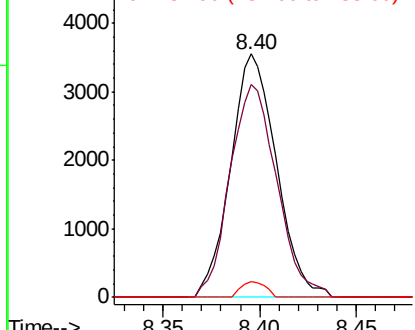
#50
1,2-Dibromoethane
Concen: 0.925 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV012057.D
Acq: 29 Jul 2019 11:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD001331

Tgt Ion:107 Resp: 5830
Ion Ratio Lower Upper
107 100
109 87.4 66.3 123.1
188 6.5 3.4 5.0#

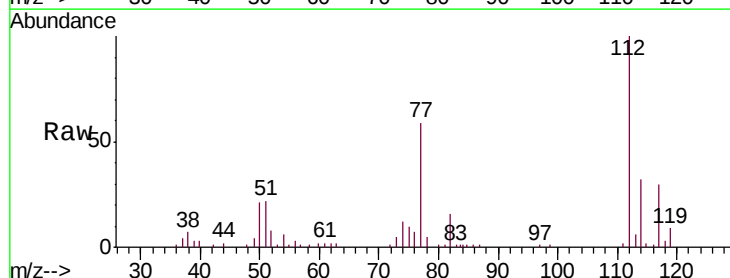


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

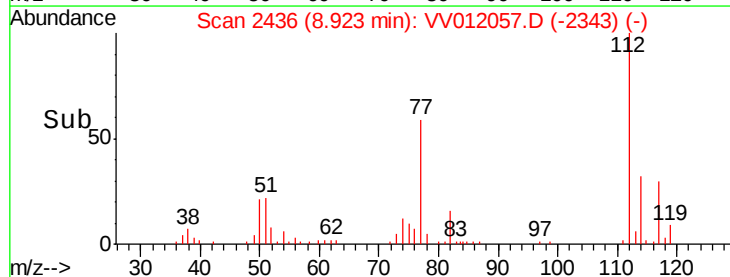
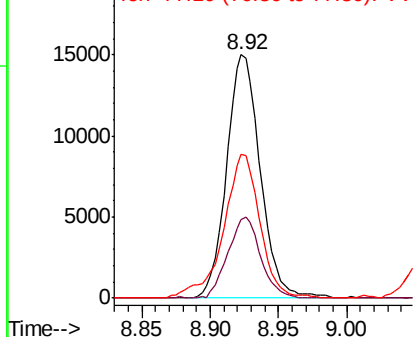


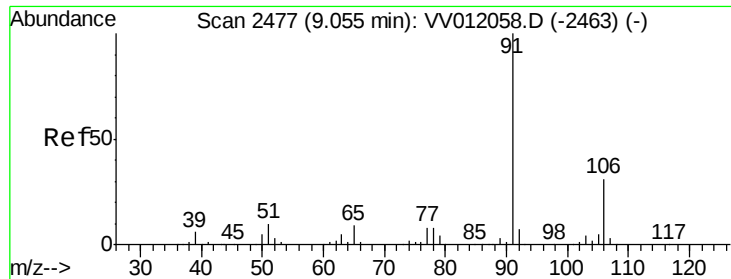
#51
Chlorobenzene
Concen: 0.919 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV012057.D
Acq: 29 Jul 2019 11:47

Tgt Ion:112 Resp: 25737
Ion Ratio Lower Upper
112 100
114 32.1 22.1 41.1
77 58.9 45.9 68.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.882 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012057.D

Acq: 29 Jul 2019 11:47

Instrument :

MSVOA_V

ClientSampleId :

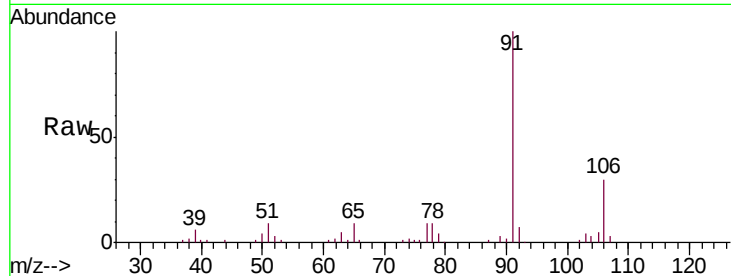
VSTD001331

Tgt Ion: 91 Resp: 42902

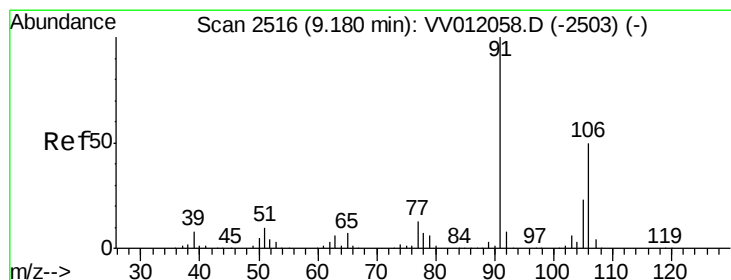
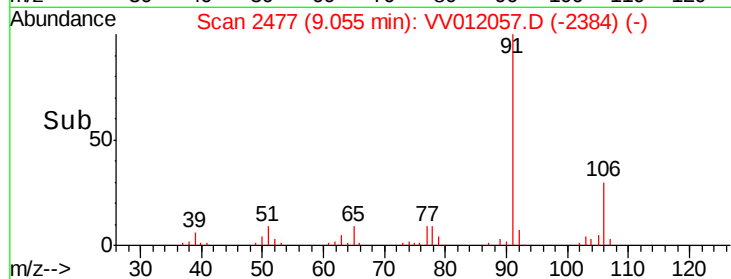
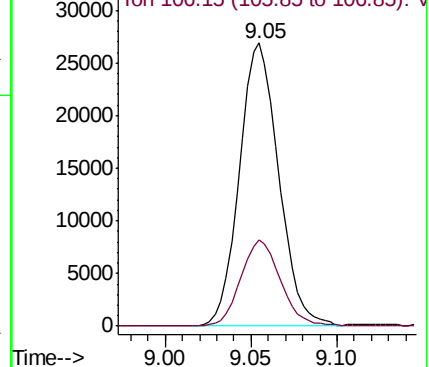
Ion Ratio Lower Upper

91 100

106 30.3 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV012057.D (-2384) (-)



#53

m,p-xylene

Concen: 0.819 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012057.D

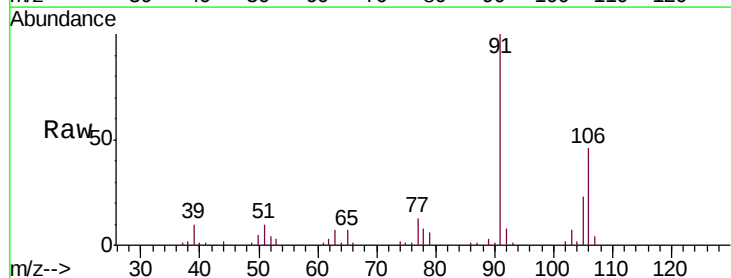
Acq: 29 Jul 2019 11:47

Tgt Ion: 106 Resp: 15740

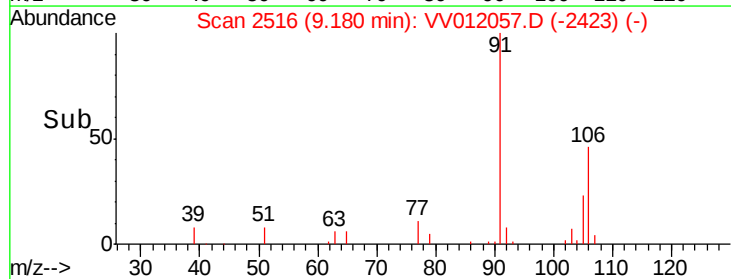
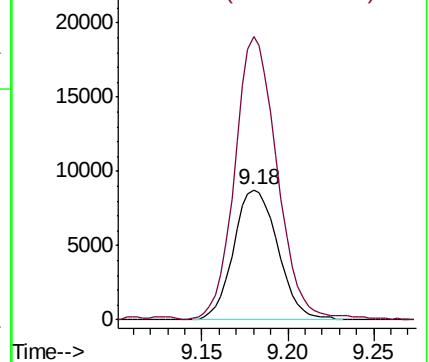
Ion Ratio Lower Upper

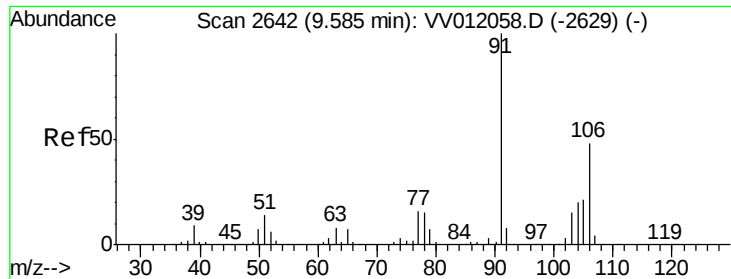
106 100

91 217.5 141.6 263.0



Abundance Ion 106.15 (105.85 to 106.85): VV012057.D (-2423) (-)





#54

o-xylene

Concen: 0.838 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012057.D

Acq: 29 Jul 2019 11:47

Instrument :

MSVOA_V

ClientSampleId :

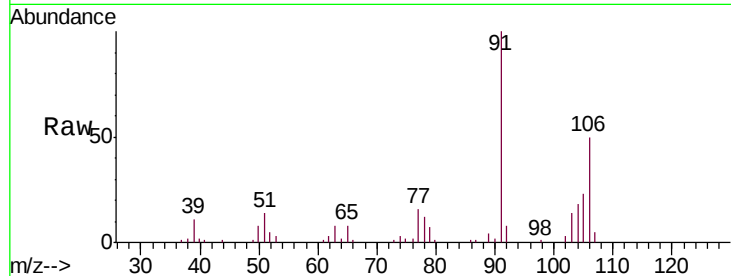
VSTD001331

Tgt Ion:106 Resp: 14849

Ion Ratio Lower Upper

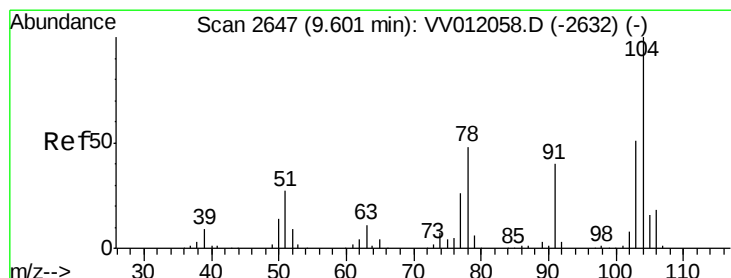
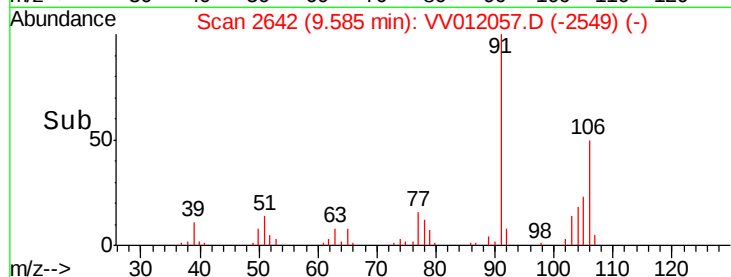
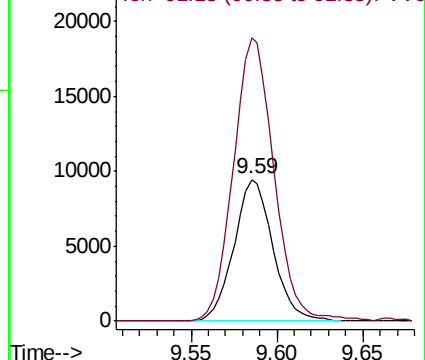
106 100

91 200.3 146.8 272.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.813 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012057.D

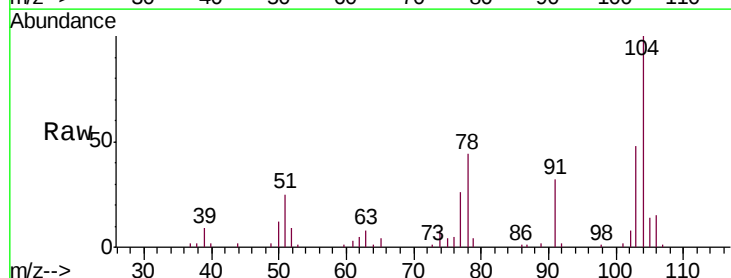
Acq: 29 Jul 2019 11:47

Tgt Ion:104 Resp: 24677

Ion Ratio Lower Upper

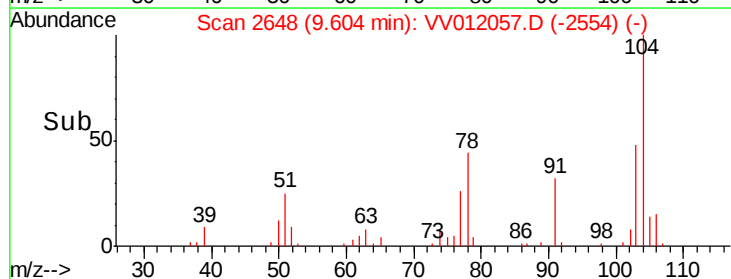
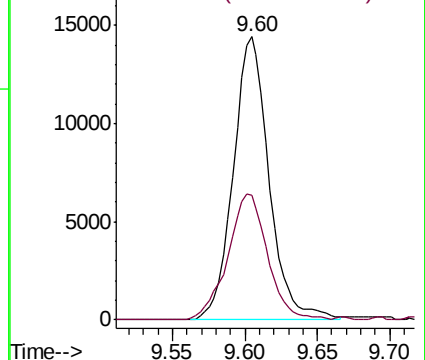
104 100

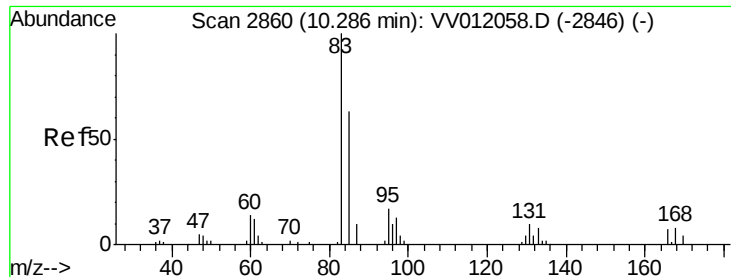
78 43.9 33.3 61.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

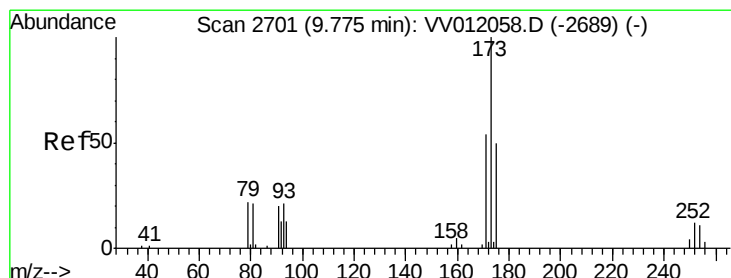
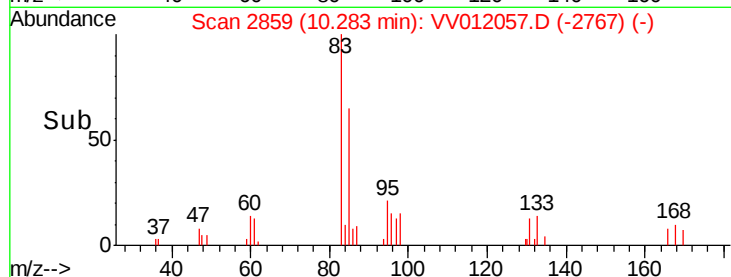
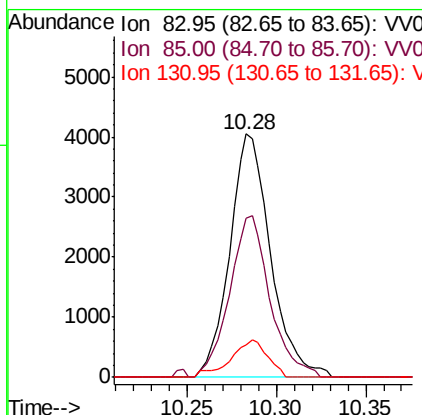
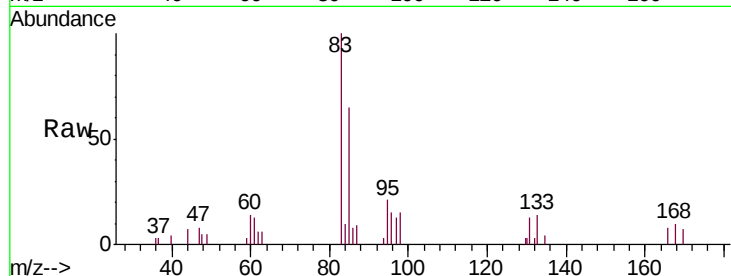




#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.893 ug/L
 RT: 10.28 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

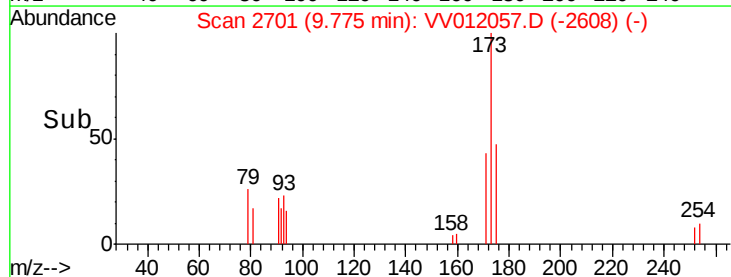
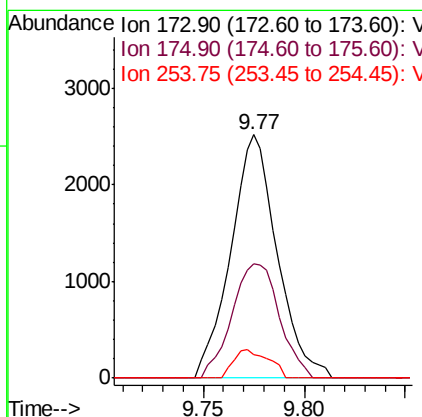
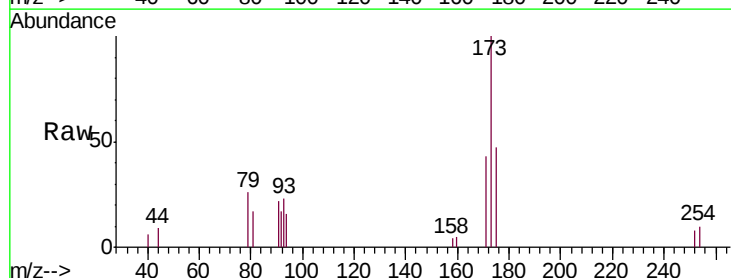
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001331

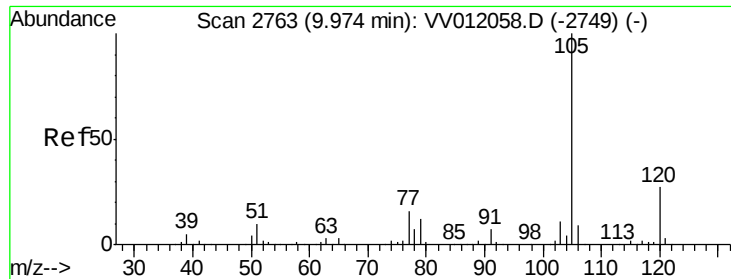
Tgt Ion: 83 Resp: 6454
 Ion Ratio Lower Upper
 83 100
 85 65.2 44.0 81.6
 131 13.2 8.3 12.5#



#59
 Bromoform
 Concen: 0.943 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

Tgt Ion: 173 Resp: 4047
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.3 57.5
 254 8.8 8.6 13.0





#60

Isopropylbenzene

Concen: 0.870 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012057.D

Acq: 29 Jul 2019 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD001331

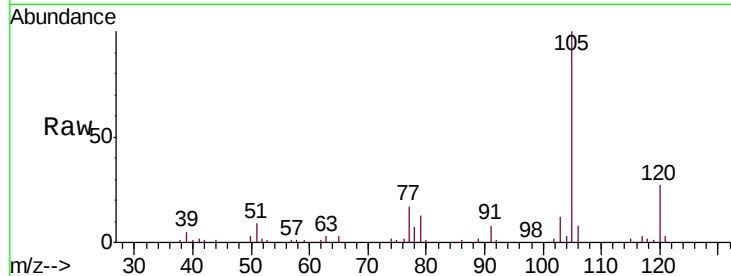
Tgt Ion: 105 Resp: 40792

Ion Ratio Lower Upper

105 100

120 25.9 21.5 32.3

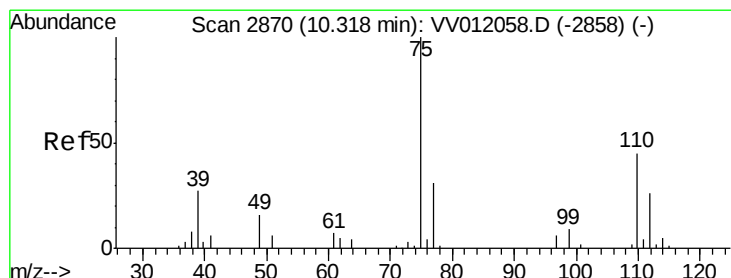
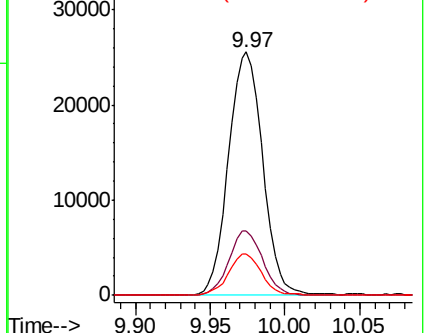
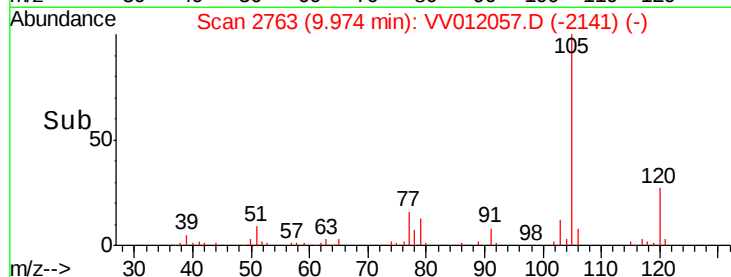
77 16.4 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 0.961 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV012057.D

Acq: 29 Jul 2019 11:47

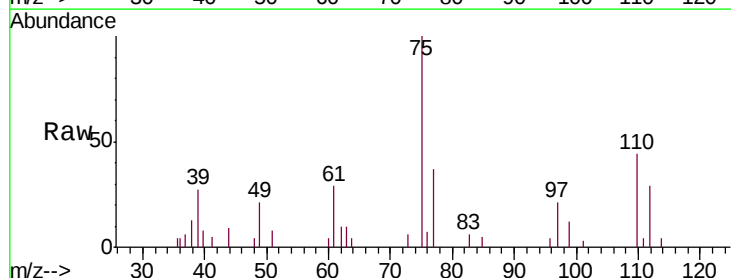
Tgt Ion: 75 Resp: 5075

Ion Ratio Lower Upper

75 100

77 35.5 26.8 40.2

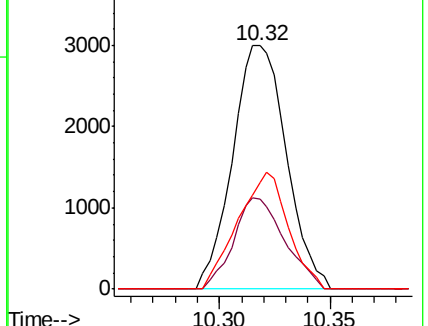
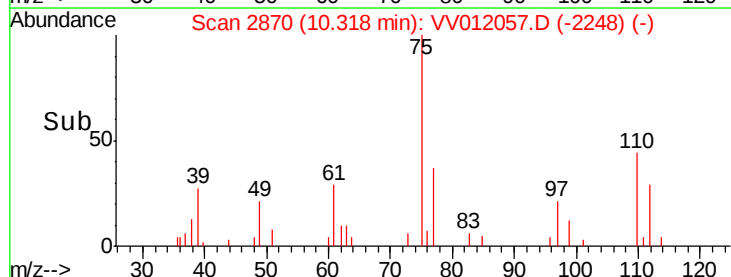
110 44.9 35.0 52.6

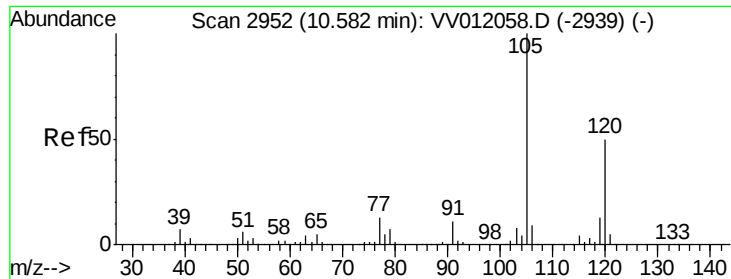


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

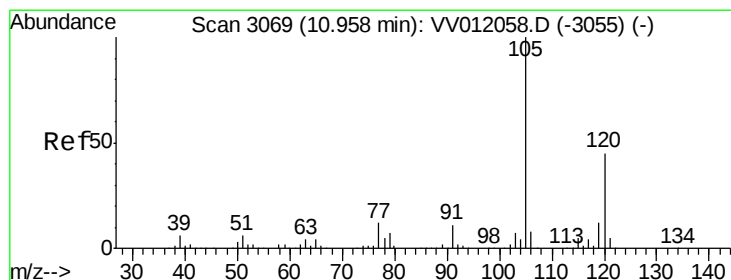
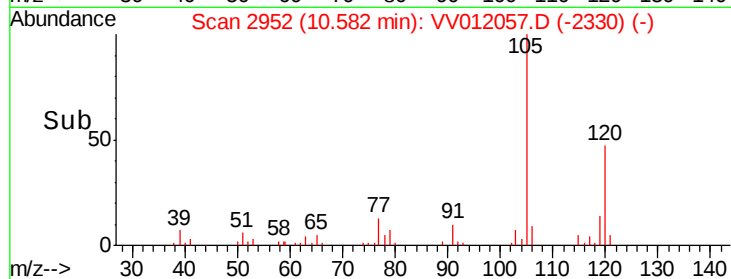
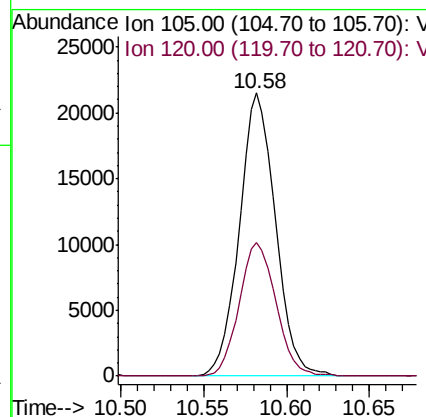
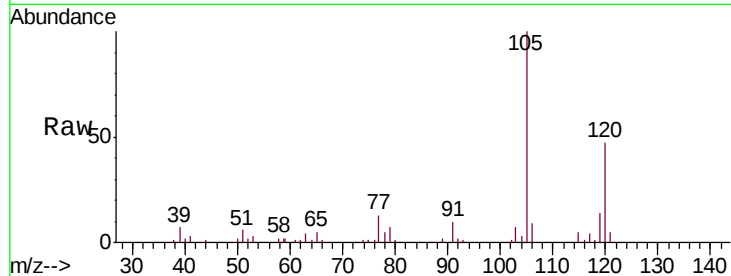




#62
 1,3,5-Trimethylbenzene
 Concen: 0.826 ug/L
 RT: 10.58 min Scan# 2952
 Delta R.T. 0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

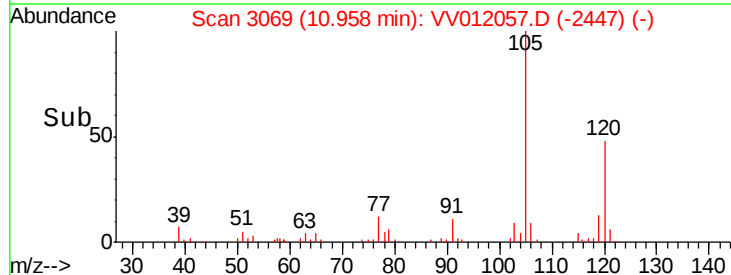
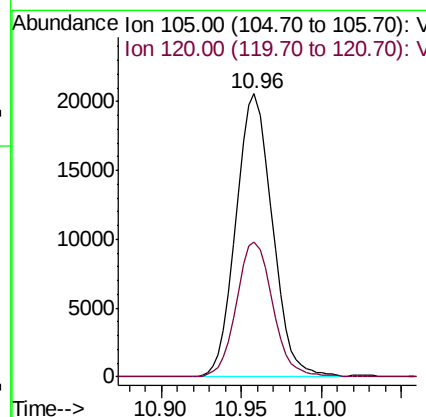
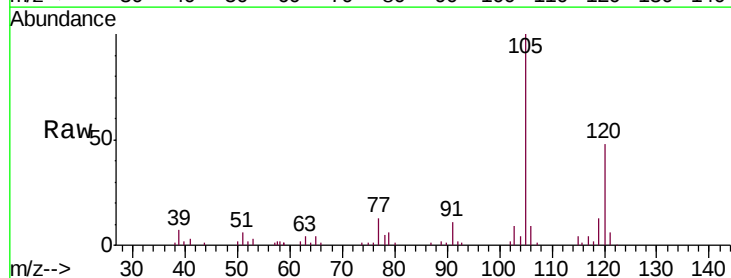
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001331

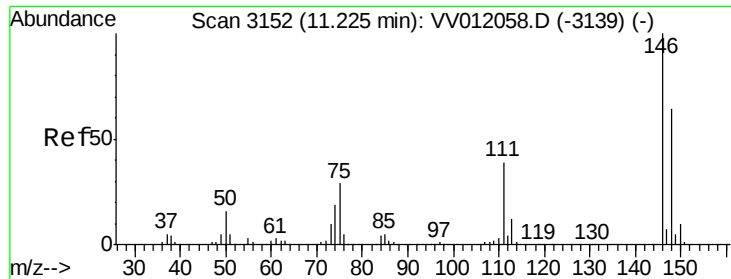
Tgt Ion:105 Resp: 32592
 Ion Ratio Lower Upper
 105 100
 120 48.1 40.1 60.1



#63
 1,2,4-Trimethylbenzene
 Concen: 0.796 ug/L
 RT: 10.96 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

Tgt Ion:105 Resp: 31857
 Ion Ratio Lower Upper
 105 100
 120 47.5 35.8 53.8





#64

1,3-Dichlorobenzene

Concen: 0.937 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012057.D

Acq: 29 Jul 2019 11:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD001331

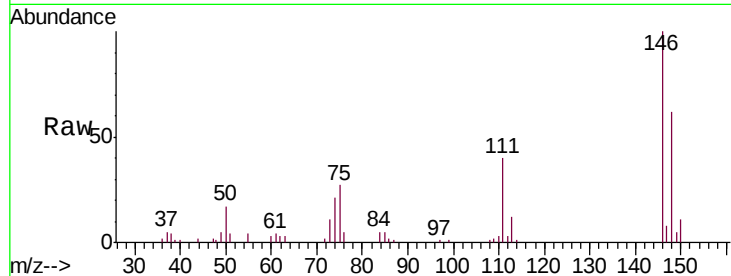
Tgt Ion:146 Resp: 21472

Ion Ratio Lower Upper

146 100

111 39.6 27.2 50.6

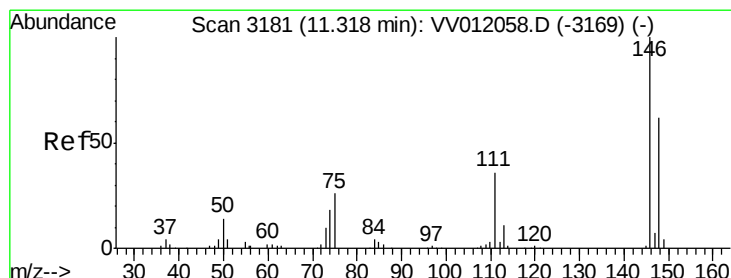
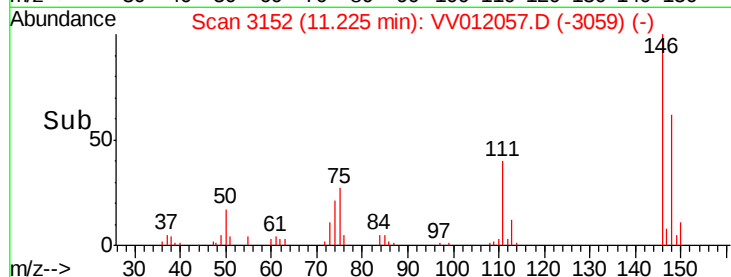
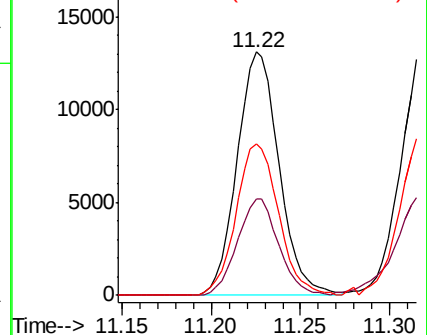
148 62.1 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,4-Dichlorobenzene

Concen: 0.934 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV012057.D

Acq: 29 Jul 2019 11:47

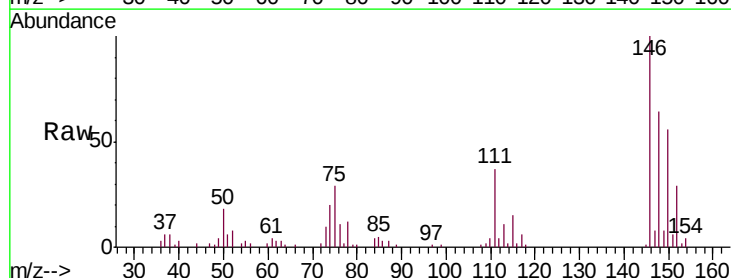
Tgt Ion:146 Resp: 21970

Ion Ratio Lower Upper

146 100

111 37.0 25.8 48.0

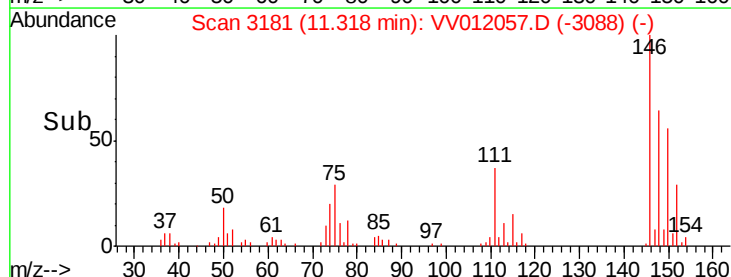
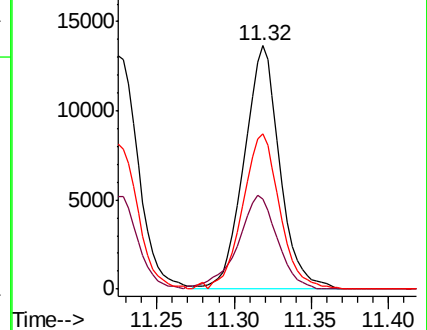
148 63.7 43.8 81.3

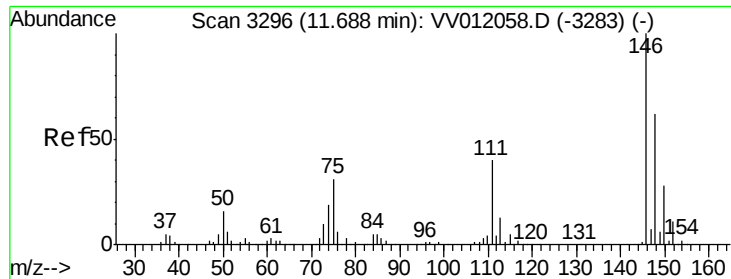


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

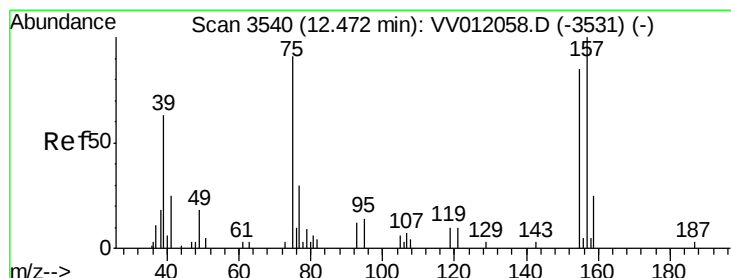
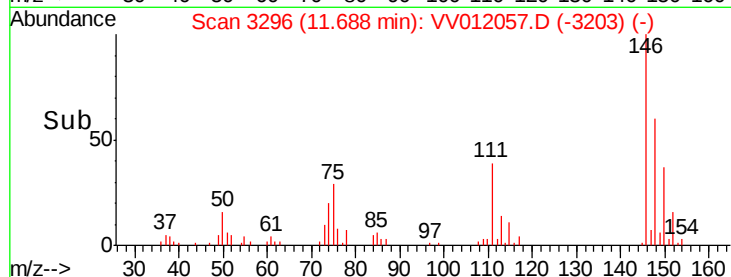
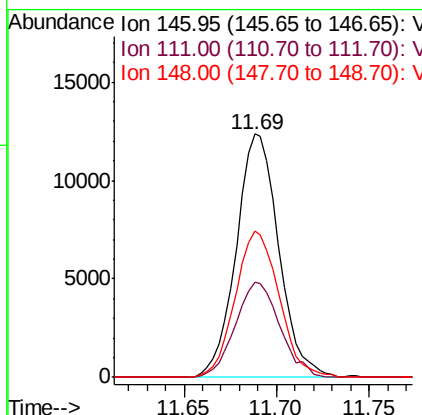
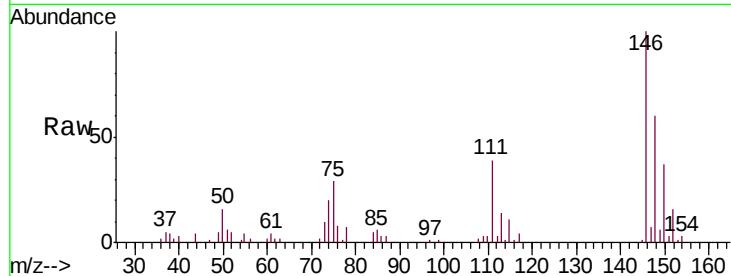




#67
 1,2-Dichlorobenzene
 Concen: 0.937 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

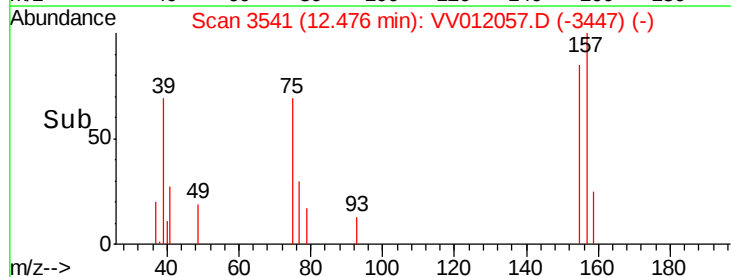
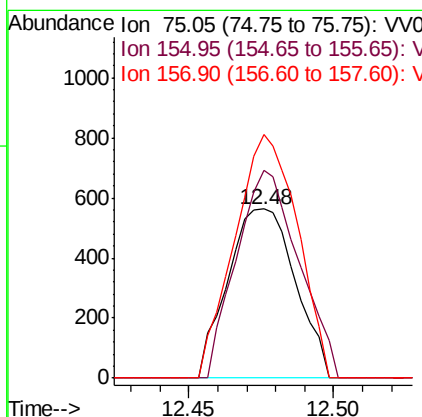
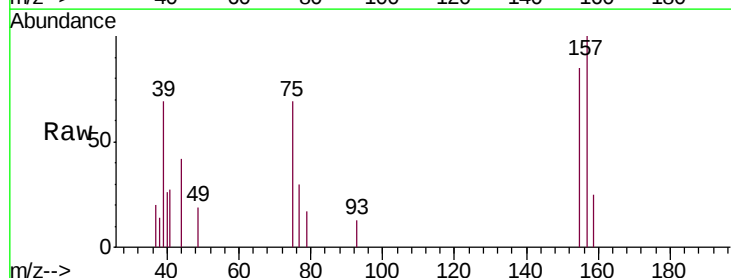
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001331

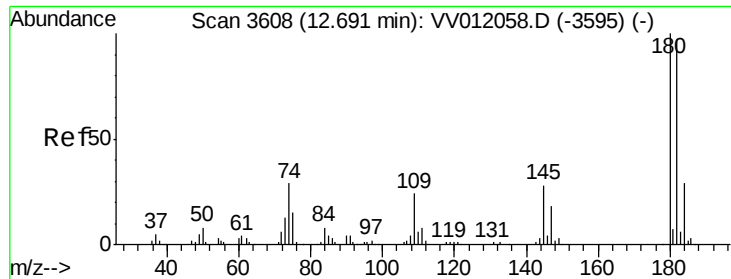
Tgt Ion: 146 Resp: 19648
 Ion Ratio Lower Upper
 146 100
 111 39.0 32.4 48.6
 148 60.0 49.4 74.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.817 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

Tgt Ion: 75 Resp: 912
 Ion Ratio Lower Upper
 75 100
 155 122.7 75.0 112.6#
 157 144.0 87.8 131.6#

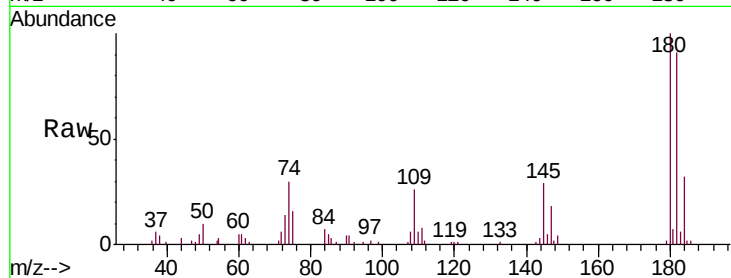




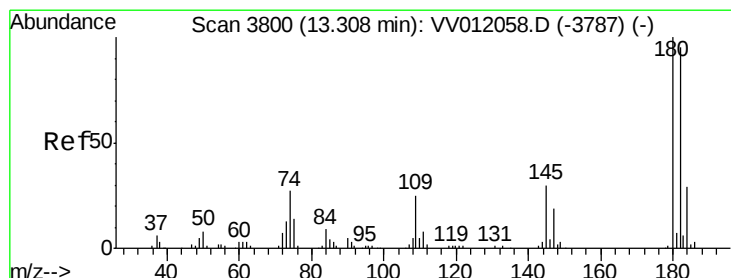
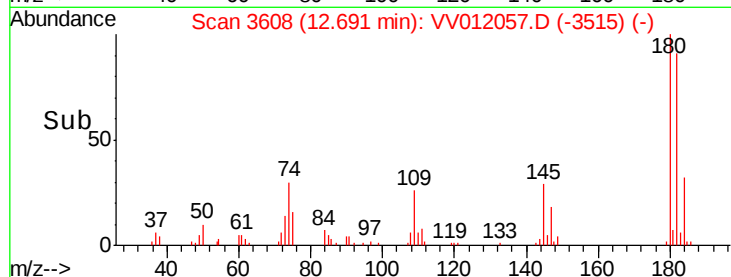
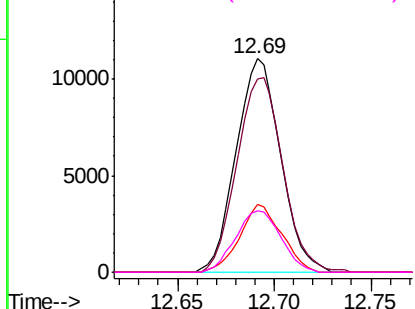
#69
 1,3,5-Trichlorobenzene
 Concen: 0.950 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001331

Tgt Ion:180 Resp: 17645
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.1 115.7
 184 30.1 24.6 36.8
 145 29.5 22.8 34.2

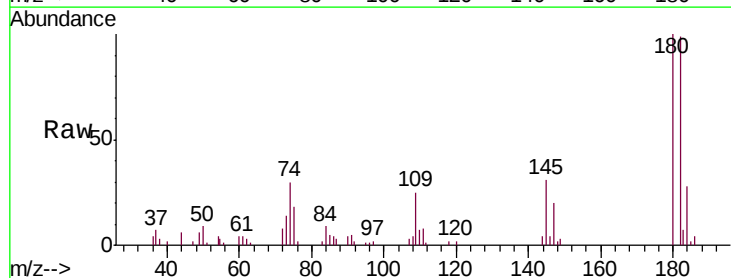


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

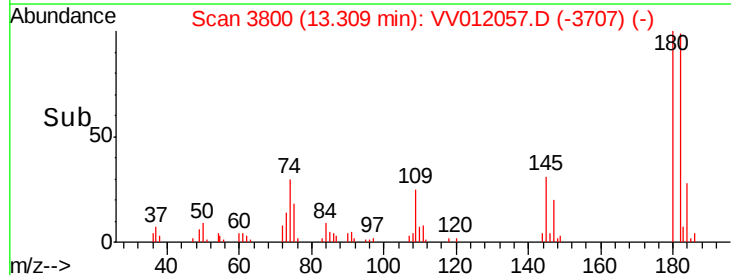
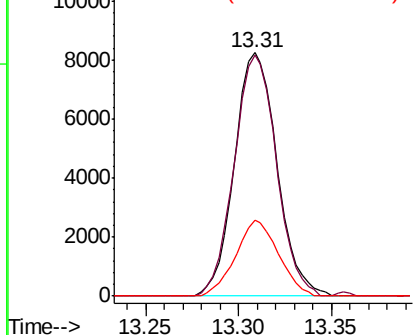


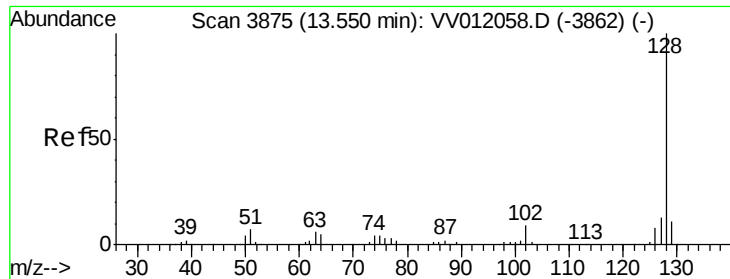
#70
 1,2,4-trichlorobenzene
 Concen: 0.896 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012057.D
 Acq: 29 Jul 2019 11:47

Tgt Ion:180 Resp: 13155
 Ion Ratio Lower Upper
 180 100
 182 97.9 76.1 114.1
 145 31.2 24.3 36.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

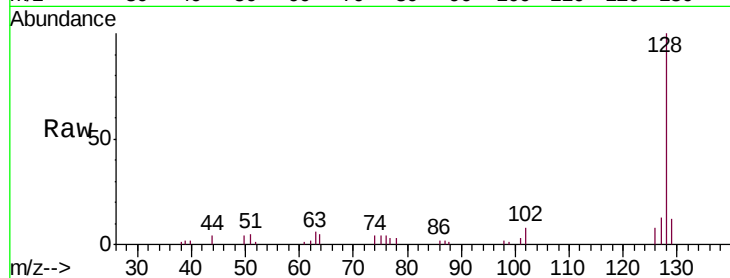




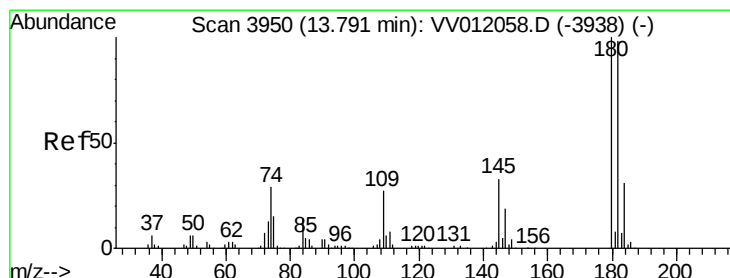
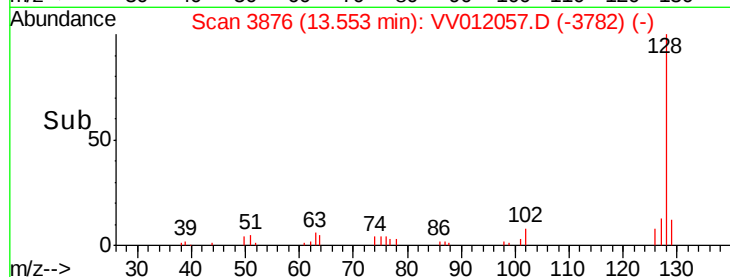
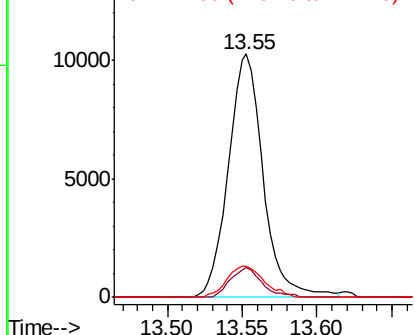
#71
Naphthalene
Concen: 0.839 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. 0.00 min
Lab File: VV012057.D
Acq: 29 Jul 2019 11:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD001331

Tgt Ion:128 Resp: 16624
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 13.6 10.4 15.6

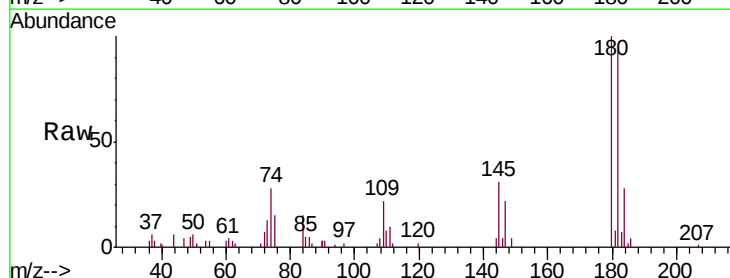


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#72
1,2,3-Trichlorobenzene
Concen: 0.871 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. 0.00 min
Lab File: VV012057.D
Acq: 29 Jul 2019 11:47

Tgt Ion:180 Resp: 11496
Ion Ratio Lower Upper
180 100
182 92.5 78.5 117.7
145 30.8 25.8 38.8



Abundance Ion 179.90 (179.60 to 180.60): V
Ion 181.90 (181.60 to 182.60): V
Ion 144.95 (144.65 to 145.65): V

